

BACK PAPERS.

G.O.	No.	Department	Date.	G.O.	No.	Department
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IRRIGATION.

Government {1899} of Madras. PUBLIC WORKS.

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Enclosures

Regd.

1899.

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G.O., Nos. 486, $\frac{486}{A}$ I., 13th June 1899.

JUNE.

FURTHER PAPERS.

G.O.	No.	Department	Date.	G.O.	No.	Department
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Navigation Rules

Forwarding copy of Proceedings stating that the amended — and notifications will have effect from the 15th July 1899, and directing their publication in the *Fort St. George Gazette* and the Gazettes of the districts concerned.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper:—

NAVIGATION RULES.

No. 121 I.

Note by the Chief Engineer for Irrigation.

The Navigation rules approved in Proceedings of the Madras Government, No. 319 I., dated 18th April 1898, have now been in operation for a year and some defects have come to notice which it is proposed to remedy. The chief subject to be dealt with has to do with the wharves which were declared in the notification published under section 6 of Madras Act II of 1890, and the wharfage and demurrage fees leviable on boats making use of these wharves.

2. In paragraph 3 of the notification referred to, wharfage and demurrage fees were declared to be leviable at 25 different places on the Kistna and Buckingham canals. The list was drafted on the recommendation of a committee appointed to deal with the Navigation rules in 1894 but at several of the places named, no facilities for the landing or shipping of goods had been provided, nor was there any establishment maintained for the regulation of traffic or the collection of fees. It was considered by the undersigned that the general principle which should govern the collection of wharfage fees at any particular places should be that such charges are intended to pay for the cost of providing wharves or other facilities at those places, and the Superintending Engineers were asked to report at which of the wharves which had been declared such facilities existed. In the first and second circles, no facilities have been provided at the following four places and it is accordingly proposed to omit them from the list of wharves:—

Palakole.	Nandivelugu.
Ellore.	Tsandole.

At the time that the notification was published, no facilities had been provided at Vellatur but as a wharf at this place is now under construction, Vellatur may be left on the list, the collection of fees being deferred until the wharf is completed.

3. On the Buckingham canal no facilities have been provided at Woolapoliem and Iskapilly and these two places may therefore also be omitted from the list.

4. The marginally-noted six places declared to be wharves on the Buckingham canal are all within the limits of the Madras Municipality. These are all long established landing places, although only the first three are regular wharves. It is necessary for the benefit of the public

Madras Boat Basin..	Chintadripett
Madras Elephant Gate.	Barbar's Bridge.
Madras Trevelyan wharf.	Mylapore.

that indiscriminate landing and shipping of goods at different parts of the canal, and of the Cooum river in Madras, should not be permitted and that this should be confined to these six places, but the Wharf rules Nos. 25 to 32 as they stand are not

applicable. After consulting the Superintending Engineers, these rules have been revised and a special set of local rules drafted for the management of these landing places to be all included in one wharf to be called the Madras town wharf. As proposed above the number of wharves will be reduced from 25 to 14, 8 of these being situated on the Kistna canal and the remainder on the Buckingham canal.

5. The accompanying map shows the positions of the wharves in the Kistna canals from which it will be seen that they are comparatively close together. Under the present rules a boat landing any cargo or passengers at any of these places is liable to the payment of a fee of 1 anna a ton on the full registered tonnage of the boat, irrespective of the quantity of goods or number of passengers dealt with, and although the payment of this fee covers the use of the wharf at which it is paid for a period of seven days, the use of any other wharf within this period entails the payment of another fee. Prior to the publication of the Navigation Rules in April 1898, the only wharves that had been declared were on the Buckingham canal and, as these are not close together, no hardship was felt, but on the Kistna wharves being declared, the Superintending Engineer represented that owing to the closeness of the wharves to each other in the Kistna canals, a boat has sometimes to pay wharfage fees on its full registered tonnage several times on a journey of 41 miles. This it is represented is especially hard on the large Rahadari boats which run up to over 40 tons register. The Superintending Engineer proposed that boats should not pay fees at a wharf within 30 miles of one from which they had obtained a clearance ticket within 24 hours. The grievance appears to be a real one, and the simplest way that occurs to the undersigned to meet it is to make a wharf ticket cover the use of any number of the wharves during a period of seven days. In this way the large Rahadari boats touching at several wharves on a trip to land or take up a passenger or two will be relieved from the burden they now feel, and the cargo boats with full cargoes for a particular wharf, entailing a more prolonged stay at the wharf, will pay much the same as now. Under this system the actual receipts at each wharf may not represent the actual earnings or utility of the wharf and the wharf receipts and charges should be judged as a whole. The proposal is embodied in the accompanying amended rules and forms.

6. The Superintending Engineer, V Circle, brought to notice that the demurrage fee leviable under the rules where a boat stayed over seven days at a wharf was 1 anna per ton *per diem*, that is the same fee as covered the use of the wharf for the first seven days. It is now proposed to reduce the fee to 3 pies per ton *per diem*, making it optional to the boat owner to take out a fresh wharf ticket for another seven days. The practical effect of this would be that, on the expiry of a wharf ticket if a boat owner thought himself likely to remain at the wharf for more than four days, it would be better for him to take out a fresh wharf ticket, but if for less than four days he would pay his demurrage of 3 pies per ton *per diem*.

7. With his endorsement No. 220 K.W. of 21st July 1898, the Superintending Engineer, II Circle, submitted for orders the question whether wharf fees should be levied at the railway siding and wharf at Seetanagaram which is within one mile of the other Seetanagaram wharf. The Superintending Engineer was directed to ascertain and report the views of the Railway Company and of the Collector on behalf of the local public. The Superintending Engineer's reply is submitted to Government for orders. The Collector and the Superintending Engineer see no special reasons why wharfage fees should not be levied while the Agent of the Railway states that it will facilitate their business if wharfage fees are not levied. It is recommended that fees be levied at this wharf, the mode of collection being settled with the Railway Company.

8. The above are the more important alterations and amendments proposed. Besides these, as the rules must be reprinted, the opportunity has been taken of amending some of the forms and rules on suggestions of the Superintending Engineers as briefly described below:—

In rule 3 the words "Superintending and" are added before "Executive Engineers."

Provision is made for issuing six weeks' licenses on a different form from that used for annual licenses and for fresh forms being used when renewing licenses found advisable by Executive officers.

Rule 49 has been added to at the suggestion of the Superintending Engineer, I Circle, to prevent locks being used as landing places and a new rule, No. 50 added at the suggestion of the same officer.

9. The special rules for the regulation of traffic at the Madras Town wharf have been drafted in consultation with the Superintending Engineer, V Circle. They are to take the place of a set of rules published with G.O., No. 632 I., dated 17th July 1893, and are made applicable to the amended wharf rules now proposed.

Ootacamund,
30th May 1899.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

NAVIGATION RULES UNDER ACT II OF 1890.

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NOTIFICATION.

I.—GENERAL.

Under the provisions of section 16, Madras Act II of 1890 (An Act to make better provision for the establishment of Canals and Public

- The Dumagudiem canal, Gódvári district.
- The Gódvári canals, consisting of the artificial navigable channels and such portions of the natural waterways as are necessary for navigation between them in the Gódvári district, south and east of Rajahmundry.
- The Kistna canals, consisting of the artificial navigable channels and such portions of the natural waterways as are necessary for navigation between them in the Kistna district.
- The Buckingham canal, consisting of the artificial reaches of the canal, such portions of the rivers, backwaters and estuaries connected with it as are necessary for navigation between the reaches in the Nellore, Chingleput and South Arcot districts and the Cooum river in Madras town.
- The Védaranniyam canal in the Tanjore district.

Ferries in the Presidency of Madras and for the management thereof), His Excellency the Governor in Council is pleased to declare that, in supersession of the existing rules regarding navigation on canals, the following rules shall, on and after 15th July 1899, be in force on the lines * of navigation defined in the margin or which may hereafter, by notification, be brought under the provisions of the said Act.

2. *Exemption of Government canal vessels from paying license fees, &c.*—All Government vessels belonging to the Public Works Department shall be exempted from paying license or registration fees or tolls.

3. *Officers and their powers.*—The management of canals for navigation is vested in the Executive Engineers of the divisions of the Public Works Department in which the canals are situated, subject to the supervision of the Superintending Engineer of the circle concerned and the control of the Chief Engineer for Irrigation. Superintending and Executive Engineers are, in respect to the canals in their charge, authorized to exercise the powers described in section 7 of the Act and to delegate, in writing, all or any of those powers to any officer or subordinate working under them. These officers or subordinates are referred to in these rules as "Canal officers."

II.—LICENSES.

4. *Vessels to be licensed.*—All vessels using any of the artificial canals shall be licensed except those registered under rule 19 or exempted under rule 2 or rule 24.

5. *Conditions and rates of fees.*—On application by the owner of a vessel or his agent, either in person or by letter, for permission to navigate any particular line or connected lines of navigation, and on payment of the fees prescribed in the notification published under section 6 of the Act, the Executive Engineer of the division concerned, or any other Canal officer duly authorized by him, shall grant a license for such navigation in Forms A or K attached to these rules either for one year or for six weeks as the owner of the vessel or his agent may elect, subject to a condition that claims for compensation in consequence of the closure of all or any of the canals for repairs, insufficiency of water or any other impediment to navigation shall not be recognized. The applicant shall furnish all the information necessary for the due filling in of the license. Boats which have not been previously licensed must be taken to a station where annual licenses are issued for measurement.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed the officer who granted the license may, upon the application of the original owner and the transferee, alter the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.

8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

10. *Conversion of a six weeks' license.*—If a license granted for six weeks has not been renewed more than once, it may be converted into a license for the year in which it was issued upon receipt of the difference of fee payable for a six weeks' license and for a license for one year.

11. *Gross tonnage.*—The gross tonnage of a vessel shall be ascertained by multiplying its length, breadth and depth in feet and inches and dividing the product by fifty. The length shall be measured at half the midship depth in a straight line from the inside of the outerplanking at the side of the stem to the inside of the outerplanking at the side of the stern post and shall be hereinafter called the length for tonnage. The breadth for tonnage shall be one-sixth of the sum of five widths taken at equal distances along and right angles to the above length for tonnage measured from the rib on one side to the planking on the other side. If the vessel has a fixed internal planking or "ceiling," the said five widths shall be measured from the inner side of such ceiling on one side to the inner side thereof on the other side.

The depth of all vessels shall be measured in a vertical line at the centre of the length for tonnage. If a vessel is decked, the measurement for depth shall be from the under side of the deck planking or, in case of a break, below a line stretched in continuation of such deck planking. If the vessel is an open one or a "Rahadāri" (transit) boat the measurement for depth shall be from an athwartship line extended from the upper edge of the upper strake on both sides of the vessel. If the vessel has a fixed ceiling (inner planking) the measurement for depth shall be to the inner side of such ceiling. If a vessel has no fixed ceiling the measurement for depth shall be to the inner side of the outer bottom plank.

12. *What to be deemed the tonnage of a vessel.*—Whenever the tonnage of any vessel has been ascertained, the same shall henceforth be deemed to be the tonnage thereof, unless any alteration is made in the form or capacity of such vessel or unless it is discovered that the tonnage thereof has been erroneously computed; and in either of such cases, such vessel shall be remeasured and her tonnage determined according to the rule hereinbefore contained in that behalf.

13. *Registered tonnage.*—The net or registered tonnage upon which fees are leviable shall be the gross tonnage less one-third for steamers and less fifteen per cent. for other vessels. Any fraction of a ton above half shall be taken as one ton and other fractions shall be rejected.

14. *Enlarged or altered vessels.*—A vessel that has been enlarged or so structurally altered as to affect the conditions upon which the license was obtained shall not ply until it has been remeasured and a fresh license has been obtained. Such remeasurement and application for a new license shall be made at the station at which the original license was obtained. The applicant for such fresh license shall deliver up the old license to the licensing officer, and pay the difference between the fee paid by him and the fee leviable upon the new registered tonnage.

15. *Number of passengers licensed to carry.*—No vessel licensed to carry passengers shall carry a greater number of passengers than in the proportion of one adult or two children for every 7½ square feet of covered space, which shall be calculated by multiplying the length in feet over all covered space, by the mean of the three widths taken at equal distances. The Executive Engineer of the division, or any other Canal officer duly authorized by him, may, during festivals, on application by the owner of any vessel or his agent, increase temporarily the limit of the number of passengers to be carried, so long as the safety of the public is not endangered thereby.

16. *Licenses for passenger boats.*—Licenses for passenger boats shall be either "first class" or "second class." The holder of a "first class" license may carry passengers of such caste or castes as he pleases. The holder of a "second class" license shall carry all passengers without distinction of caste.

17. *Provision in case of loss of license.*—If the original license be lost, a duplicate shall be issued by the officer who granted the license on payment of the fee prescribed in the notification published under section 6 of the Act. If the loss occurred during the absence of the vessel from the station at which it was licensed, the loss shall be reported to the nearest Canal officer who shall thereupon issue a pass in Form B attached to these rules. Such pass should hold good until the arrival of the vessel at the station at which the license was issued. Immediately upon such arrival, the owner or his agent shall deliver up the said pass and pay the prescribed fee for a duplicate license.

18. *Rafts.*—The owners or persons in charge of rafts using any of the canals shall pay the fees prescribed in the notification published under section 6 of the Act and take out licenses in Form C attached to these rules, and these licenses shall be in force for six weeks from the date of issue.

III.—REGISTRATION.

19. *Registration of vessels.*—Vessels intended for the personal use of the owners and not employed in carrying goods, animals or passengers for purposes of trade nor used for towing vessels carrying goods, animals or passengers for purposes of trade shall be registered. Certificates of registration shall, on payment of the fees prescribed in the notification published under section 6 of the Act, be issued in Form D attached to these rules and shall be for a period of either one year or six weeks as the owner of the vessel may elect. The certificates shall entitle the holders to use the lines of navigation therein mentioned and no other. The Executive Engineer of the division in which the port of registry of any vessel is situated, or any Canal officer duly authorized by him in that behalf, shall determine to which class of boats hereinbefore mentioned such vessel belongs. Vessels registered under this rule shall be subject to the same rules and regulations as those for which licenses are taken out so far as they are applicable.

20. *Place of Registration.*—A vessel may be registered at any one of the licensing stations. The station at which a vessel is registered shall be its port of registry or the port to which she belongs.

21. *Registering officer and register.*—The Executive Engineer of the division in which the port of registry of a vessel is situate or any Canal officer duly authorized by him in that behalf shall be responsible that the certificate of registration and its counterpart are duly filled in and that the counterpart is carefully preserved and altered when required so as to correspond to the certificate to which it refers.

22. *Transfer of ownership and register.*—When the ownership of a vessel registered for one year is transferred during such period, the registration and certificate shall be altered at the request of the original owner and the transferee, by the substitution of the name of the latter for that of the former.

23. *Procedure when certificate is lost.*—If a certificate of registration is lost, the registering officer at the port of registry shall grant a duplicate of such certificate upon the receipt of the fees prescribed in the notification published under section 6 of the Act.

24. *Exemption from payment of fees for registration.*—No fee shall be levied for the registration of boats used solely for fishing on the Buckingham canal; nor on sea-going boats and boats carrying firewood on the Masulipatam canal, in the Kistna delta between the Tidal lock and the Petta basin and in the Gôdâvari river; but all such boats shall be registered and certificates of registration in Form E attached to these rules shall be issued for them. Ferry vessels belonging to a District Board proceeding to their destination and not plying for traffic shall be allowed to pass through the canals free of charge on written permit from the Executive Engineer.

IV.—WHARVES.

25. *Wharves.*—A wharfage fee at the rate prescribed in the notification published under section 6 of the Act shall be paid by the owner of every vessel which loads or discharges cargo or ships or lands passengers at any of the wharves fixed under section 6 of the Act. The word "cargo" shall include empty bags, baskets, boxes, casks and other receptacles in which cargo is usually carried.

The wharf rules shall not apply to salt factories and salt channels already under the control of the Salt Department except the landing place at the salt depot at Madras. No private wharves or landing stages shall in future be constructed in connection with lines of navigation without the previous sanction of Government.

26. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundary on the north and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any tow path or on the canal side of any tow path under any circumstance nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

27. *Wharves which may be declared hereafter.*—Wharfage fees at the above rates shall also be levied at any wharf, which may hereafter be constructed, from the date on which it may be declared, by notification in the *Fort St. George Gazette* and in the *Gazette of the district* concerned, to be available for loading and unloading cargo and shipping and landing passengers.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

29. *Wharf tickets.*—Every person in charge of a vessel on which a wharfage fee is leviable shall, before making use of any of the wharves declared under section 6 of the Act, obtain from the wharf superintendent a wharf ticket in Form F attached to these rules. This ticket will permit the holder to make use of any of the wharves for a period not exceeding seven days from the date of issue. In Madras town wharf tickets will be issued by the Superintendent of the Madras basin to vessels coming from the north and by the Superintendent of the Adyar south lock to vessels coming from the south. On the expiry of the ticket, the vessel must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage as provided in rule 30. In Madras town within the limits described in rule 26 empty vessels may also be permitted to lie up for a certain period and at a certain place, or to pass through the limits of the Madras town wharf, without payment of wharfage or demurrage fees on the issue of a special permit in Form J signed by a Canal officer, provided that, during the period covered by the permit, the vessel does not load or unload goods nor ship or land passengers.

30. *Demurrage fee on vessels.*—On the expiry of a wharf ticket it shall be optional to the owner of every vessel remaining at a wharf to pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act, instead of taking out a fresh wharf ticket. Provided that no demurrage fee shall be charged for any days during which a vessel is not allowed to lie at the wharf.

31. *Demurrage fee on goods.*—The consignee of goods landed at the wharf of discharge shall remove his goods from such wharf within seven days from the date on which such goods are landed; and if the said goods be not removed within such time, the consignee shall pay a

demurrage fee at the rate prescribed in the notification published under section 6 of the Act. The said goods shall not be removed until the said fee is paid.

32. *Additional wharfage fee for test-weighing or test-measurement.*—Consignees of goods using the places reserved at wharves for test measuring or test-weighing goods shall pay the additional wharfage fee prescribed for the purpose in the notification published under section 6 of the Act, and shall not allow the goods to remain at the reserved places longer than necessary for taking such test measurement or test weight.

V.—NAVIGATION RULES.

33. *Dimensions of vessels and rafts.*—No vessel exceeding 90 feet in length and 13 feet in width shall navigate the canals, except those built before the 31st December 1880 for which a special license may be granted by the Canal officer.

In the portion of the Buckingham canal known as the Junction canal in the town of Madras and south of it, the fixed fittings of vessels, such as the roofs of boats, steps of masts, funnel sockets, &c., and cargo piled on vessels shall not be higher than 6½ feet above water level, and piled cargo or roofs or fixed fittings shall not exceed 12 feet in width.

No raft exceeding 90 feet in length, 12 feet in breadth, or drawing more than 2 feet of water, shall be allowed on any of the canals. Nothing shall be allowed to project beyond the side of any vessel or raft.

34. *Free board.*—No vessel carrying cargo shall be navigated in the canals unless it has a free board of at least 9 inches; and no vessel carrying passengers shall be so navigated unless it has a free board of at least 12 inches. The free board shall be measured from the water's edge to the top of the gunwale when the vessel has no deck and to the upper side of the plank of the deck when the vessel has a deck.

35. *Passenger boats may carry cargo on certain conditions.*—A boat licensed to carry passengers may also carry cargo, every 10 cubic feet of cargo being considered as equivalent to one passenger; but the total of the number of passengers so calculated and the passengers actually carried shall not exceed the number of passengers which the boat is licensed to carry. No such vessel shall carry cargo on the roof or side of the vessel, nor any cargo such as fish, manure, bones, skins or other articles which, in the opinion of the Canal officer, is offensive or dangerous.

36. *Care and management of vessels.*—No vessel shall be navigated without one person at least, on board, competent to steer and manage her and acquainted with the rules regulating the navigation of the canals. No vessel shall lie or be left without a person on board capable of taking care of her.

37. *Lights.*—Vessels using any of the canals shall between sunset and sunrise exhibit the following lights:—

Vessels.	When moving.	When moored.
Steamers	One clear white light on the upper deck. One bull's eye bright red light 8" diameter on the port or left side. One bull's eye bright green light 8" diameter on the star board or right side.	One clear white light at not less than 4 feet above the water level and so placed that it shall be visible fore and aft.
All vessels not propelled by steam.	One clear white light at the fore end fixed not less than 4 feet above the water level. One clear white light in the general cabin or inside.	Do. do.
Rafts	One clear white light at each end.	One clear white light at each outer corner.

The two bull's eye lights shall be so placed and fitted that both may be visible only from a point directly ahead of the vessel and so as not to be obscured by any of the fittings, cargo or passengers. Subject to these provisions, the lights may be placed in the front or on the top of the cabin, at the sides of the vessel near the bow or on supports specially provided for the purpose.

38. *Speed of steamers.*—No steamer shall travel at a greater speed than 4 miles per hour and, between sunset and sunrise, the speed shall not exceed 3 miles per hour. Steamers shall reduce their speed to 3 miles an hour when they come within half a mile of a lock and shall then whistle to give notice of their approach to the lock establishment. Steamers shall be warped or

poled into and out of locks and shall not use their propellers or paddle wheels until quite clear of the locks. Every steamer shall be furnished with an efficient steam whistle. Steamers shall reduce their speed to 3 miles an hour during the day and to 2 miles an hour between sunset and sunrise when passing round a bend in any canal and shall whistle when approaching such bend. Every vessel under steam shall stop and reverse whenever necessary. Steamers shall whistle when within 100 yards of any boat and reduce speed to 3 miles an hour.

39. *The passing of vessels.*—When two vessels meet on the Gódavari or Kistna canals, the vessel going with the current shall keep out of the way of the other vessel. In other canals, vessels going north shall keep out of the way of those going south. Vessels under sail shall keep out of the way of vessels which are being towed, and vessels under steam shall keep out of the way of all other vessels.

Every vessel overtaking another vessel shall keep out of the way of the vessel which is being overtaken. Where by these rules one of two vessels is required to keep out of the way the other shall keep her course. Every vessel under steam when passing a vessel which is being towed from the towing path on the offside thereof and every vessel not under steam, shall take the towing path side when meeting, or passing, or approaching to, or being overtaken by a vessel under steam. The steam whistle of every vessel under steam shall be sounded when such vessel is about to round and is rounding any turnings in the navigation as well as when such vessel is meeting, approaching, or overtaking any vessel.

40. *Sails when to be lowered.*—All vessels under sail shall lower their sails when passing through a masonry aqueduct, lock or flood-gate.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

43. *Production of license and stoppage of vessels.*—When required so to do by a Canal officer, every person in charge of a vessel shall stop the vessel and produce the license or certificate of registration as the case may be. Persons in charge of vessels carrying passengers or cargo or both and of vessels propelled by steam, shall assist Canal officers in their inspections and shall make a true statement of the number of passengers and the nature of the cargo on board.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year;
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

45. *Pass for vessels under suspension to proceed to their destination.*—When the license for a vessel carrying cargo or passengers or both is suspended, the officer by whom the license is suspended shall grant a pass in Form H attached to these rules permitting the vessel to proceed to its destination for the purpose of landing cargo and passengers or to a place where she can be repaired. Such passes shall be in duplicate of which one part shall be retained in the issuing office and the other part shall be delivered to the person in charge of the vessel. The fact and period of suspension shall be recorded by the Canal officer upon the license and upon the counterpart, but if the counterpart is not in his possession, he shall communicate the fact of suspension to the officer who issued the license. In the case of the suspension of a license because of the defective state of a vessel's hull, machinery or gear, the suspension shall continue until the owner obtains a certificate from an inspecting officer that the necessary repairs have been effected and that the vessel is again safe, sound and fit for the navigation of the canals. Such certificate shall be endorsed on the license immediately under the order of suspension which shall thereupon cease to have any effect. The order of suspension shall declare that it shall be in force unless and until such certificate is obtained. A copy of such certificate shall be served upon, and be filed by, the officer who suspended the license.

46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall have the following figures and marks painted conspicuously on their vessels before using them on any of the canals and shall be responsible that those marks and figures are not defaced or obliterated:—

- (1) The number of the license or certificate of registration and the initial or initials of the name or names of the canals which a vessel is licensed to navigate shall be painted on each bow.
- (2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.
- (3) The number of passengers, which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter P prefixed.
- (4) The load line for a length of 3 feet amidships, on both sides.

The said numerals and letters shall be in English and shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Mooring of vessels.*—No vessel shall moor, load or unload cargo, or ship or land passengers within the limits prohibited by notice-boards at any lock or masonry work other than the quays or wharves specially provided for the purpose. No vessel shall moor on the tow path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

50. *Interference with locks.*—No person unless duly authorised shall interfere with the locks or any part of their machinery.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

52. *Sea-going vessels.*—Sea-going vessels brought into rivers and backwaters for any purpose other than to ply for hire shall anchor or lay up outside the fair way of the canal traffic in such place and manner as the Canal officer shall direct.

Period of suspension.	From	To	Cause of suspension.	Place.	Date.	Signature of Canal officer ordering suspension.

Record of suspension of license.

FORM A. (Vide Rule 5.)

Annual license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canal according to the rules passed under Act II of 1890:—

Number of license.
Owner's name.
Do. residence.
Description of vessel.
Place where vessel was built.
Year in which vessel was built.
Extreme dimensions. { Length, feet.
Breadth, feet.
Measurement for { Length, feet.
tonnage. { Breadth, feet.
Depth, feet.
Contents, cubic feet.
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry of license.
Amount of license fee paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

1. Ten cubic feet of cargo is equivalent to one passenger.
2. Vide rules printed on the next page.

(The above form to be printed in duplicate on white paper of foolscap size.)

FORM A. (Vide Rule 5.)

Annual license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canal according to the rules passed under Act II of 1890:—

Number of license.
Owner's name.
Do. residence.
Description of vessel.
Place where vessel was built.
Year in which vessel was built.
Extreme dimensions. { Length, feet.
Breadth, feet.
Measurement for { Length, feet.
tonnage. { Breadth, feet.
Depth, feet.
Contents, cubic feet.
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry of license.
Amount of license fee paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

1. Ten cubic feet of cargo is equivalent to one passenger.
2. Vide rules printed on the next page.

(The above form to be printed in duplicate on white paper of foolscap size.)

Period of suspension.	From	To	Cause of suspension.	Place.	Date.	Signature of the Canal officer ordering suspension.

Record of suspension of license.

REVERSE OF FORM A.

6. *Counterpart of license.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is the counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed, the officer who granted the license may, upon the application of the original owner and the transferee, alter the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.

8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the license if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspections shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

REVERSE OF FORM A.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is the counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed, the officer who granted the license may, upon the application of the original owner and the transferee, alter the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.

8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the license if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspections shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

FORM B. (Vide Rule 17.)

Pass for vessel for which the license has been lost.

This pass is granted to permit the vessel noted below to navigate the canal without license, as it is reported that the license has been lost. The fee prescribed for issuing duplicate license has been paid :—

Number of vessel.
Description of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Fees paid, Rs.
Date of Issue.
Place of Issue.

Signature of Issuing Officer.

(The above form to be printed on green paper of $\frac{1}{2}$ foolscap size.)

Number of vessel.
Description of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Fees paid, Rs.
Date of Issue.
Place of Issue.

Signature of Issuing Officer.

(The above form to be printed on green paper of $\frac{1}{2}$ foolscap size.)

FORM B. (Vide Rule 17.)

Pass for vessel for which the license has been lost.

This pass is granted to permit the vessel noted below to navigate the canal without license, as it is reported that the license has been lost. The fee prescribed for issuing duplicate license has been paid :—

FORM C. (Vide Rule 18.)

License for rafts.

This license is granted to permit the raft noted below to navigate the canal according to the rules passed under Act II of 1890 :—

Number of license.
Description of raft.
Dimensions... { Length, feet.
Breadth, feet.
Superficial area, square feet.
Number of units of 100 square feet or fraction thereof.
Amount of fees paid, Rs.
Date of expiration of the license.
Rates of fees per unit.

Timber or
timber and
bamboos.

RS.	A.	RS.	A.
1	0	0	8
0	4	0	2

Gótlávári, Kistna and
Buckingham canals
Dumagudiem or Vedá-
ranniyam canal ...

Rafts not to exceed 90 feet in length, 12 feet in breadth and 2 feet draught.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license is to be shown on renewal.

Renewal.		Date of expiry.	Signature of the officer who renews the license.
Place.	Date.		

5

(The above form to be printed on white paper of 1/2 foolscap size.)

FORM C. (Vide Rule 18.)

License for rafts.

This license is granted to permit the raft noted below to navigate the canal according to the rules passed under Act II of 1890 :—

Number of license.
Description of raft.
Dimensions... { Length, feet.
Breadth, feet.
Superficial area, square feet.
Number of units of 100 square feet or fraction thereof.
Amount of fees paid, Rs.
Date of expiration of the license.
Rates of fees per unit.

Timber or
timber and
bamboos.

RS.	A.	RS.	A.
1	0	0	8
0	4	0	2

Gótlávári, Kistna and
Buckingham canals
Dumagudiem or Vedá-
ranniyam canal ...

Rafts not to exceed 90 feet in length, 12 feet in breadth and 2 feet draught.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license is to be shown on renewal

Renewal.		Date of expiry.	Signature of the officer who renews the license.
Place.	Date.		

(The above form to be printed on white paper of 1/2 foolscap size.)

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—
fifteen days for a first offence,
thirty days for a second offence in the same year,
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall have the following figures and marks painted conspicuously on their vessels before using them on any of the canals and shall be responsible that those marks and figures are not defaced or obliterated:—

- (1) The number of the license or certificate of registration and the initial or initials of the name or names of the canals which a vessel is licensed to navigate shall be painted on each bow.
- (2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.
- (3) The number of passengers which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter P prefixed.
- (4) The load line for a length of 3 feet amidships, on both sides.

The said numerals and letters shall be in English and shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—
fifteen days for a first offence,
thirty days for a second offence in the same year,
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall have the following figures and marks painted conspicuously on their vessels before using them on any of the canals and shall be responsible that those marks and figures are not defaced or obliterated:—

- (1) The number of the license or certificate of registration and the initial or initials of the name or names of the canals which a vessel is licensed to navigate shall be painted on each bow.
- (2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.
- (3) The number of passengers which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter P prefixed.
- (4) The load line for a length of 3 feet amidships on both sides.

The said numerals and letters shall be in English and shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

FORM D. (Vide Rule 19.)

Certificate of Registration for vessels intended for personal use of the owners.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal, but not to carry goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built.
Amount of fee paid, Rs.
Period of Registration.
Date of expiration of the period of registration.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This certificate is to be shown on renewal.

(The above form to be printed on paper of $\frac{1}{2}$ foolscap size—annual certificates on white paper and six-week certificates on yellow paper.)

Period of suspension.	From	To
Cause of suspension.	Place.	Date.
Signature of the Canal officer ordering the suspension.		

Record of suspension of the Certificate of Registration.

FORM D. (Vide Rule 19.)

Certificate of Registration for vessels intended for personal use of the owners.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal, but not to carry goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built.
Amount of fee paid, Rs.
Period of registration.
Date of expiration of the period of registration.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This certificate is to be shown on renewal.

(The above form to be printed on paper of $\frac{1}{2}$ foolscap size—annual certificates on white paper and six-week certificates on yellow paper.)

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Mooring of vessels.*—No vessels shall moor, load or unload cargo or ship or land passengers within the limits prohibited by notice-boards at any lock or masonry work other than the quays and wharves specially provided for the purpose. No vessel shall moor on the tow-path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

FORM E. (Vide Rule 24.)

Certificate of Registration for vessels free of charge.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal without payment of any fee, but not to carry any goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built
Canals to be used.
Place of Issue.
Date of Issue.

6

Signature of Issuing Officer.

(The above form to be printed on red paper of $\frac{1}{4}$ foolscap size.)

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Mooring of vessels.*—No vessels shall moor, load or unload cargo or ship or land passengers within the limits prohibited by notice-boards at any lock or masonry work other than the quays and wharves specially provided for the purpose. No vessel shall moor on the tow-path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

FORM E. (Vide Rule 24.)

Certificate of Registration for vessels free of charge.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal without payment of any fee, but not to carry any goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built.
Canals to be used.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

(The above form to be printed on red paper of $\frac{1}{4}$ foolscap size.)

FORM F. (*Vide* Rule 29.)

Original. No.

WHARF TICKET.

Station. Boat No. of Tons.

Description of Cargo.

Amount of wharfage }
fees received. RS. A. P.

Date of Issue.

Date of Expiry.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—*vide* rules 29 and 30.

(The above form to be printed on white paper of $\frac{3}{4}$ foolscap size.)

FORM F. (*Vide* Rule 29.)

Duplicate. No.

WHARF TICKET.

Station. Boat No. of Tons.

Description of Cargo.

Amount of wharfage }
fees received. RS. A. P.

Date of Issue.

Date of Expiry.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—*vide* rules 29 and 30.

(The above form to be printed on white paper of $\frac{3}{4}$ foolscap size.)

FORM F. (*Vide* Rule 29.)

Triplicate. No.

WHARF TICKET.

Station. Boat No. of Tons.

Description of Cargo.

Amount of wharfage }
fees received. RS. A. P.

Date of Issue.

Date of Expiry.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—*vide* rules 29 and 30.

(The above form to be printed on white paper of $\frac{3}{4}$ foolscap size.)

FORM G. (Vide Rule 42.)

Inspection Certificate.

The steam vessel bearing No. of has been inspected
in accordance with paragraph 42 of the rules passed under Act II of 1890 and
is passed for navigation on canal for a period of six months
from this date subject to the conditions noted below :—

Station.

Date.

Signature of Inspecting Officer.

N.B.—This certificate must be carried on the steamer and produced when called for by a Canal officer.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

FORM G. (Vide Rule 42.)

Inspection Certificate.

The steam vessel bearing No. of has been inspected
in accordance with paragraph 42 of the rules passed under Act II of 1890 and
is passed for navigation on canal for a period of six months
from this date subject to the conditions noted below :—

Station.

Date.

Signature of Inspecting Officer.

N.B.—This certificate must be carried on the steamer and produced when called for by a Canal officer.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

FORM H. (Vide Rule 45.)

Pass for vessels, the licenses of which are suspended, to proceed to their destination or place of repair.

This pass is granted to permit the vessel noted below to proceed to its destination or place of repair, its license having been suspended:—

Number of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Period of suspension.
Number of rule infringed.
Place of destination.
Lock or wharf where suspension should take effect.

Place.
Date.

Signature of Canal Officer.

(The above form to be printed on green paper of $\frac{1}{2}$ foolscap size.)

FORM H. (Vide Rule 45.)

Pass for vessels, the licenses of which are suspended, to proceed to their destination or place of repair.

This pass is granted to permit the vessel noted below to proceed to its destination or place of repair, its license having been suspended:—

Number of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Period of suspension.
Number of rule infringed.
Place of destination.
Lock or wharf where suspension should take effect.

Place.
Date.

Signature of Canal Officer.

(The above form to be printed on green paper of $\frac{1}{2}$ foolscap size.)

FORM J. (Vide Rule 29.)

Pass to permit a vessel to lie within or to pass through the limits of the Madras Town wharf without payment of wharfage or demurrage fees.

Number of vessel.

Name of owner.

Residence of owner.

Name of place at which vessel may lie.

Date of expiry of permit.

This vessel is permitted to pass through the limits of the Madras Town wharf from this date until the date of expiry free of wharfage or demurrage charges, provided that during the period covered by the permit the vessel does not load or unload goods nor ship or land passengers.

Place.

Date.

Signature of Canal Officer.

(The above form to be printed on white paper of 1/2 foolscap size.)

FORM J. (Vide Rule 29.)

Pass to permit a vessel to lie within or to pass through the limits of the Madras Town wharf without payment of wharfage or demurrage fees.

Number of vessel.

Name of owner.

Residence of owner.

Name of place at which vessel may lie.

Date of expiry of permit.

This vessel is permitted to pass through the limits of the Madras Town wharf from this date until the date of expiry free of wharfage or demurrage charges, provided that during the period covered by the permit the vessel does not load or unload goods nor ship or land passengers.

Place.

Date.

Signature of Canal Officer.

(The above form to be printed on white paper of 1/2 foolscap size.)

Record of suspension of license.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering suspension.
From	To				

FORM K. (Vide Rule 5.)
Duplicate.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890 :—

Number of license.
Whether first or renewed license.
Number of renewal.
Owner's name.
Owner's residence.
Description of vessel.
Place where vessel was built.

Extreme dimensions . . . { Length, feet
Breadth, feet
Length, feet
Breadth, feet
Depth, feet
Cubic feet

Measurement for tonnage. . . { Length, feet
Breadth, feet
Depth, feet
Cubic feet

Contents
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry of license.
Amount of license fees paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license to be shown on renewal. Ten cubic feet of cargo is equivalent to one passenger. The period of this license includes the days of grant and of expiry—Vide rules printed on the reverse.

(This form to be printed on yellow paper of foolscap size.)

FORM K. (Vide Rule 6.)
Original.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890 :—

Number of license.
Whether first or renewed license.
Number of renewal.
Owner's name.
Owner's residence.
Description of vessel.
Place where vessel was built.

Extreme dimensions . . . { Length, feet
Breadth, feet
Length, feet
Breadth, feet
Depth, feet
Cubic feet

Measurement for tonnage. . . { Length, feet
Breadth, feet
Depth, feet
Cubic feet

Contents
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry of license.
Amount of license fees paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license to be shown on renewal. Ten cubic feet of cargo is equivalent to one passenger. The period of this license includes the days of grant and of expiry—Vide rules printed on the reverse.

(This form to be printed on yellow paper of foolscap size.)

Record of suspension of license.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering suspension.
From	To				

FORM K. (Vide Rule 5.)
Original.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890 :—

Number of license.
Whether first or renewed license.
Number of renewal.
Owner's name.
Owner's residence.
Description of vessel.
Place where vessel was built.

Extreme dimensions . . . { Length, feet
Breadth, feet
Length, feet
Breadth, feet
Depth, feet
Cubic feet

Measurement for tonnage. . . { Length, feet
Breadth, feet
Depth, feet
Cubic feet

Contents
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry of license.
Amount of license fees paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license to be shown on renewal. Ten cubic feet of cargo is equivalent to one passenger. The period of this license includes the days of grant and of expiry—Vide rules printed on the reverse.

(This form to be printed on yellow paper of foolscap size.)

Record of suspension of license.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering suspension.
From	To				

Original.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

28. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the wharf, and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundaries. In the Cooum and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any towpath or on the canal side of any towpath under any circumstance nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

29. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

Duplicate.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

28. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the wharf, and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundaries. In the Cooum and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any towpath or on the canal side of any towpath under any circumstance nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

29. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

Triplicate.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

28. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the wharf, and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundaries. In the Cooum and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any towpath or on the canal side of any towpath under any circumstance nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

29. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

NOTIFICATION.

Under section 6 of Madras Act II of 1890 (An Act to make better provision for the establishment of canals and public Ferries in the Presidency of Madras and for the management thereof), His Excellency the Governor in Council is pleased to declare that in supersession of the existing rates of fees, the following rates of fees for the licensing or registration of vessels for wharfage or demurrage on vessels or goods detained within the limits of the wharves shall, on and after 15th July 1899, be in force on the lines of navigation defined in the margin:—

FEES FOR LICENSING.

For the three lines of Navigation, the Gôdâvari, Kistna and Buckingham Canals.

	Annual.			Six weeks.		
	RS.	A.	P.	RS.	A.	P.
Steamers per ton of registered tonnage	15	0	0	3	0	0
Open cargo boats do. do.	3	0	0	0	10	0
Passenger boats, 1st class, do.	6	0	0	1	4	0
Passenger boats, 2nd class, and decked cargo boats, per ton of registered tonnage	4	0	0	0	13	0
Rafts of timber or of timber and bamboos per 100 square feet or fraction thereof	...	...	...	1	0	0
Rafts of bamboos per 100 square feet or fraction thereof	...	...	...	0	8	0

For either of the two lines of Navigation, the Dumagudiem and Vêdranniyam Canals.

Boats per ton of registered tonnage	1	0	0	0	3	0
Rafts of timber or of timber and bamboos per 100 square feet or fraction thereof	...	...	...	0	4	0
Rafts of bamboos	...	...	...	0	2	0
Duplicate license for any line or lines of Navigation, if original license be lost	2	0	0	0	4	0

FEES FOR REGISTRATION.

For the three lines of Navigation, the Gôdâvari, Kistna and Buckingham Canals.

Steamers, each	60	0	0	12	0	0
Private boats for owner's personal use, each	24	0	0	4	8	0
Pleasure boats, each	2	0	0	0	6	0
Duplicate certificate, if original be lost, each	0	8	0	0	2	0

For either of the two lines of Navigation, the Dumagudiem and Vêdranniyam Canals.

Steamers, each	30	0	0	6	0	0
Private boats for owner's personal use, each	12	0	0	2	4	0
Pleasure boats, each	1	0	0	0	3	0
Duplicate certificate, if original be lost, each	0	4	0	0	1	0

WHARFAGE FEES.

Six weeks.

RS. A. P.

Every vessel which loads or discharges at any wharf per ton of registered tonnage to cover use of any wharf or wharves for a period of seven days ...	0 1 0
Fees for using the places reserved at wharves for test-measuring or test-weighing goods per boat <i>per diem</i> ...	1 0 0

DEMURRAGE FEES.

Vessels remaining at any of the wharves after the expiry of a wharf ticket per ton of registered tonnage for every day or portion thereof ...	0 0 3
Goods remaining at any of the wharves for more than seven days per 100 square feet, or portion thereof, of space occupied by the goods per day ...	0 1 0

2. Licenses and certificates of registration shall be issued at the following places:—

Lines of navigation.	Places where annual licenses and certificates of registration shall be issued.	Places where six weeks' licenses and certificates of registration shall be issued.
The Dumagudiem canal ...	Dumagudiem ...	Dumagudiem lock.
The Gódávri canals ...	Dowlaishweram ...	Dowlaishweram do. Bobberlanka do. Vijeswaram do. Ellore do.
The Kistna canals ...	Bezwada ...	All tidal locks. Bezwada lock. Seetanagaram do. All tidal locks. All wharves.
The Buckingham canal ...	Madras Boat basin ...	Madras boat basin. All wharves.
The Védaranniyam canal ...	Negapatam ...	Negapatam.

A list of the stations in each division shall be affixed to a notice-board in a conspicuous place at each station in that division.

3. Wharfage and demurrage fees shall be levied at the following wharves:—

The Kistna canals ...	Bezwada. Pamarru. Chintaguntapalem basin. Seetanagaram. Seetanagaram railway wharfs. Chebrole. Santaravur. Nandivelugu. Tenali. Vellatur. Romperu Lock. Kottapatnam. Mypaud. Muthukur. Madras town wharf. Papanchavady.
The Buckingham canal ...	

NOTIFICATION.

RULES FOR THE REGULATION OF TRAFFIC AT THE MADRAS TOWN WHARF.

His Excellency the Governor in Council is pleased to notify the following special rules for the regulation of traffic in the Madras town wharf framed under rule 28 of the Navigation Rules and under section 16 of the Canals and Ferries Act, No. II of 1890. These rules will be fixed to notice-boards in conspicuous places at the different landing places in addition to navigation rules Nos. 25 to 32 which relate to wharves and the notification relating to wharfage fees published under section 6 of Madras Act II of 1890 repeated below:—

25. *Wharves*.—A wharfage fee at the rate prescribed in the notification published under section 6 of the Act shall be paid by the owner of every vessel which loads or discharges cargo or ships or lands passengers at any of the wharves fixed under section 6 of the Act. The word "cargo" shall include empty bags, baskets, boxes, casks and other receptacles in which cargo is usually carried.

The wharf rules shall not apply to salt factories and salt channels already under the control of the Salt Department except the landing place at the salt depot at Madras. No private wharves or landing stages shall in future be constructed in connection with lines of navigation without the previous sanction of Government.

26. *Wharf limits*.—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras Town the wharf limits shall be taken to be the municipal boundary on the north and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any tow-path or on the canal side of any tow-path under any circumstance, nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

27. *Wharves which may be declared hereafter*.—Wharfage fees at the above rates shall also be levied at any wharf, which may hereafter be constructed, from the date on which it may be declared, by notification in the *Fort St. George Gazette* and in the *Gazette* of the district concerned, to be available for loading and unloading cargo and shipping and landing passengers.

28. *Regulation of traffic at wharves*.—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

29. *Wharf tickets*.—Every person in charge of a vessel on which a wharfage fee is leviable shall, before making use of any of the wharves declared under section 6 of the Act, obtain from the wharf superintendent a wharf ticket in Form F attached to these rules. This ticket will permit the holder to make use of any of the wharves for a period not exceeding seven days from the date of issue. In Madras town wharf tickets will be issued by the Superintendent of the Madras basin to vessels coming from the north and by the Superintendent of the Adyar south lock to vessels coming from the south. On the expiry of the ticket, the vessel must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage as provided in rule 30. In Madras town within the limits described in rule 26 empty vessels may also be permitted to lie up for a certain period and at a certain place, or to pass through the limits of the Madras town wharf, without payment of wharfage or demurrage fees on the issue of a special permit in Form J signed by a Canal officer, provided that, during the period covered by the permit, the vessel does not load or unload goods nor ship or land passengers.

30. *Demurrage fee on vessels*.—On the expiry of a wharf ticket, it shall be optional to the owner of every vessel remaining at a wharf to pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act, instead of taking out a fresh wharf ticket. Provided that no demurrage fee shall be charged for any days during which a vessel is not allowed to lie at the wharf.

31. *Demurrage fee on goods*.—The consignee of goods landed at the wharf of discharge shall remove his goods from such wharf within seven days from the date on which such goods are landed; and if the said goods be not removed within such time, the consignee shall pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act. The said goods shall not be removed until the said fee is paid.

32. *Additional wharfage fee for test-weighing or test-measurement.*—Consignees of goods using the places reserved at wharves for test-measuring or test-weighing goods shall pay the additional wharfage fee prescribed for the purpose in the notification published under section 6 of the Act, and shall not allow the goods to remain at the reserved places longer than necessary for taking such test-measurement or test-weight.

WHARFAGE FEES.		Six weeks.		
		RS.	A.	P.
Every vessel which loads or discharges at any wharf per ton of registered tonnage to cover use of any wharf or wharves for a period of seven days	...	0	1	0
Fees for using the places reserved at wharves for test-measuring or test-weighing goods per boat per diem	...	1	0	0

DEMURRAGE FEES.				
		RS.	A.	P.
Vessels remaining at any of the wharves after the expiry of a wharf ticket per ton of registered tonnage for every day or portion thereof	...	0	0	3
Goods remaining at any of the wharves for more than seven days per 100 square feet, or portion thereof, of space occupied by the goods per day	...	0	1	0

Special Rules for the regulation of Traffic at the Madras Town Wharf.

I. The following are the landing places within the limits of the Madras town wharf referred to in Rule 26 of the Navigation Rules. The mileages are measured from St. Mary's Bridge:—

		M.	F.	FT.
Madras Basin	From Basin Bridge	1	5	360
	to Railway Girder Bridge	2	1	32
Salt Cottaur and Trevelyan Basin	From Elephant Gate Bridge	0	7	114
	to Basin Bridge	1	5	360
Elephant Gate Wharf	From Railway iron Bridge	0	6	421
	to Elephant Gate Bridge	0	7	114
Chintadripet Wharf	From Chintadripet Bridge	...	...	...
	to Two furlongs west of bridge	...	...	...
Barbers' Bridge	From North of Barbers bridge	3	0	528
	to Barbers bridge	3	1	198
Mylapur Bridge	From east of Mylapur bridge	3	3	468
	to Mylapur Bridge	3	5	639

II. All boats stopping for the purpose of loading or unloading at the Madras basin or Elephant gate must moor along the wharf walls or as directed by the wharf superintendent.

III. At the Madras Basin the landing place for boats bringing firewood is the portion of the wharf opposite the wood depot, i.e., near the Basin bridge. Boats with heavy cargo, such as iron and stones, &c., shall load and unload at the granite steps instead of on the laterite steps which are apt to be damaged thereby.

IV. At the Madras Basin boats, conveying ordinary light cargo or food-grains, and also passenger boats, shall load and unload along the remaining portion of the wharf wall. A portion of the wharf is reserved for imports and a portion for exports. Private boats and budgerows shall be moored at the south end of the wharf wall, as it is near the main road where carriages can drive up.

V. The working hours of the day at the Madras Basin for loading and unloading cargo or shipping and landing passengers are limited to twelve hours, from 6 A.M. to 6 P.M.

VI. All boats which enter the limits of the Madras town wharf from the north shall be registered at the Ennore south lock and, on arrival at the Madras Basin, shall obtain a wharf ticket, form F, or pass in form J. Boats entering the limits of the Madras Town wharf from the south shall be registered and obtain wharf tickets or passes at the Adyar south lock. The refusal on the part of boatmen and boat-owners to furnish any information required will render them liable to the penalty laid down in Rule 28 of the Navigation Rules.

ORDER—No. 486 I., dated 13th June 1899.

The recommendations of the Chief Engineer for Irrigation are approved.

2. The amended Navigation rules and notifications will have effect from the 15th July 1899 and will be published in the *Fort St. George Gazette* and *Gazettes* of the districts concerned.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. $\frac{486}{A}$ I., dated 13th June 1899.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" the Consulting Engineer for Railways.
" the Examiner, Public Works Accounts.
" Superintending Engineers, I, II, III and V Circles.
" the Revenue Department.
" the Local and Municipal Department.
" the Judicial Department.
" the Legislative Department.
" the Honourable the Advocate-General.
" the Superintendent, Government Press,
" the Chamber of Commerce, Madras.
with rules, and notifications.

ENDORSEMENT—No. $\frac{486}{A}$ I., dated 13th June 1899.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Original.

6. *Counterpart of license.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

28. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundary on the north and the Adiyar north lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any towpath or on the canal side or on any lands without special permission in writing from the Canal officer.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter.

Duplicate.

6. *Counterpart of license.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

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42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter.

Triplicate.

6. *Counterpart of license.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

28. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundary on the north and the Adiyar north lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any towpath or on the canal side or on any lands without special permission in writing from the Canal officer.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter.

Under section 6 of Madras Act II of 1864

The Dumagudiem canal, Gôdâvari district.

The Gôdâvari canals consisting of the artificial navigable channels and such portions of the natural waterways as are necessary for navigation between them in the Gôdâvari district, south and east of Rajahmundry.

The Kistna canals consisting of the artificial navigable channels and such portions of the natural waterways as are necessary for navigation between them in the Kistna district.

The Buckingham canal consisting of the artificial reaches of the canal and such portions of rivers, backwaters and estuaries connected with it as are necessary for navigation between the reaches, in the Nellore, Chingleput and South Arcot districts and the Cooum river in Madras town.

The Vêdâranniyam canal in the Tanjore district.

the lines of navigation defined in the margin

FEES FOR LICENSING.

For the three lines of navigation, the Kistna and Buckingham Canals.

Steamers per ton of registered tonnage

Open cargo boats do. do.

Passenger boats, 1st class, do.

Passenger boats, 2nd class, and deck boats, per ton of registered tonnage

Rafts of timber or of timber and 100 square feet or fraction thereof

Rafts of bamboos per 100 square feet thereof

For either of the two lines of Navigation, the Dumagudiem and Vêdâranniyam Canals.

Boats per ton of registered tonnage

Rafts of timber or of timber and 100 square feet or fraction thereof

Rafts of bamboos

Duplicate license for any line of Navigation, if original license be

FEES FOR REGISTRATION

For the three lines of Navigation, the Kistna and Buckingham Canals.

Steamers, each

Private boats for owner's personal use

Pleasure boats, each

Duplicate certificate, if original be

For either of the two lines of Navigation, the Dumagudiem and Vêdâranniyam Canals.

Steamers, each

Private boats for owner's personal use

Pleasure boats, each

Duplicate certificate, if original be

WHARFAGE FEES.

Every vessel which loads or discharges of registered tonnage to cover us for a period of 3 days

Fees for using the places reserved for measuring or test-weighing goods

31

DEMURRAGE FEES.

Vessels remaining at any of the wharves 4
days after the expiry of a wharf ticket
tonnage for every day or portion thereof
Goods remaining at any of the wharves 4
days per 10 square feet, or portion
occupied by the goods per day ...

2. Licenses and certificates of registra
places:—

Lines of navigation.	Places where and certified shall
The Dumagudiem canal ...	Dumagudiem
The Gódávári canal ...	Dumagudiem
The Kistna canals ...	Bezwađa ...
The Buckingham canal ...	Madras Bo
The Védáranniyam canal ...	Negam ...

A list of the stations in each division
conspicuous place at each station in that di
3. Wharfage and demurrage fees shall

The Kistna canals ...

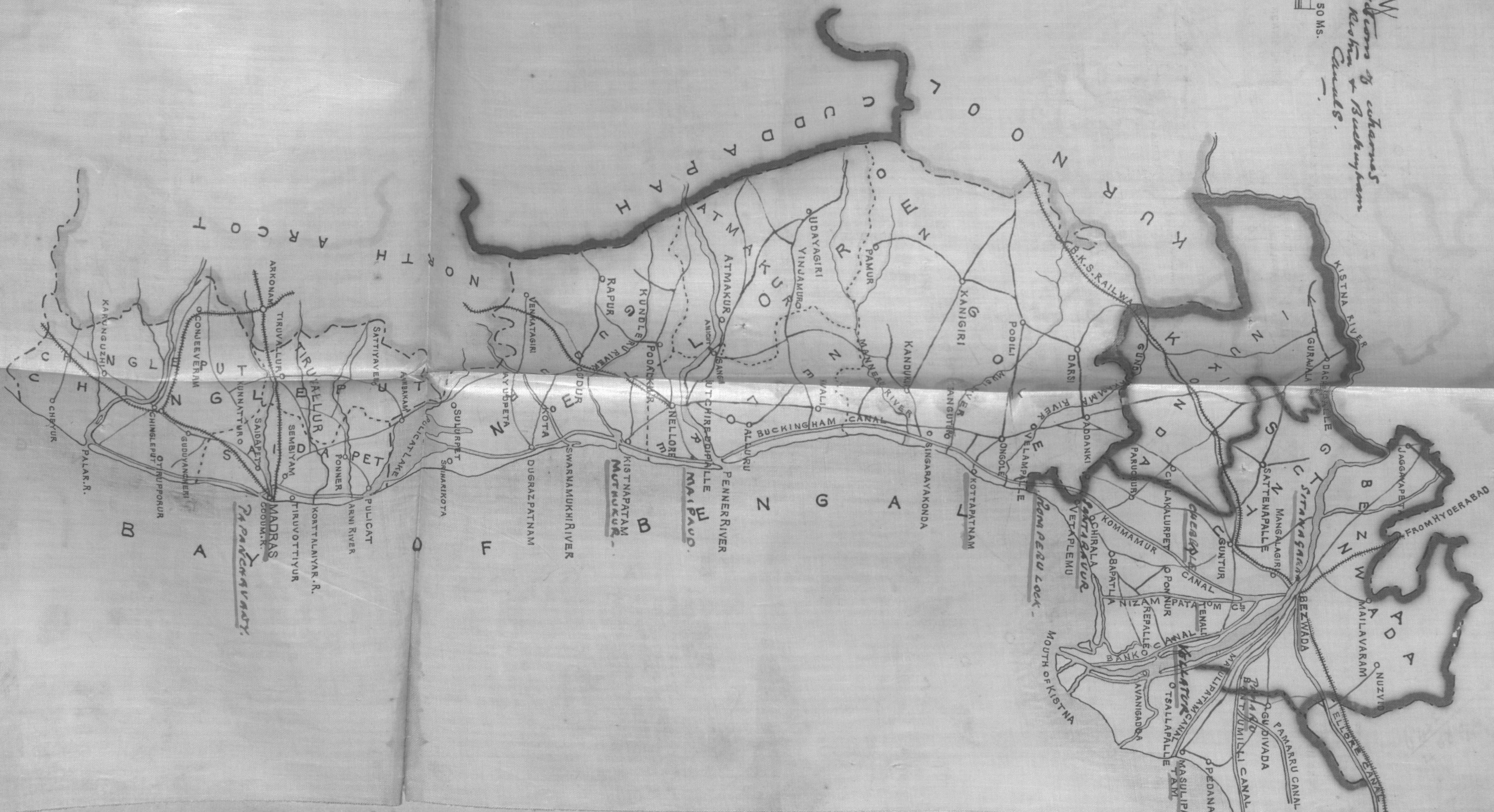
The Buckingham canal ...

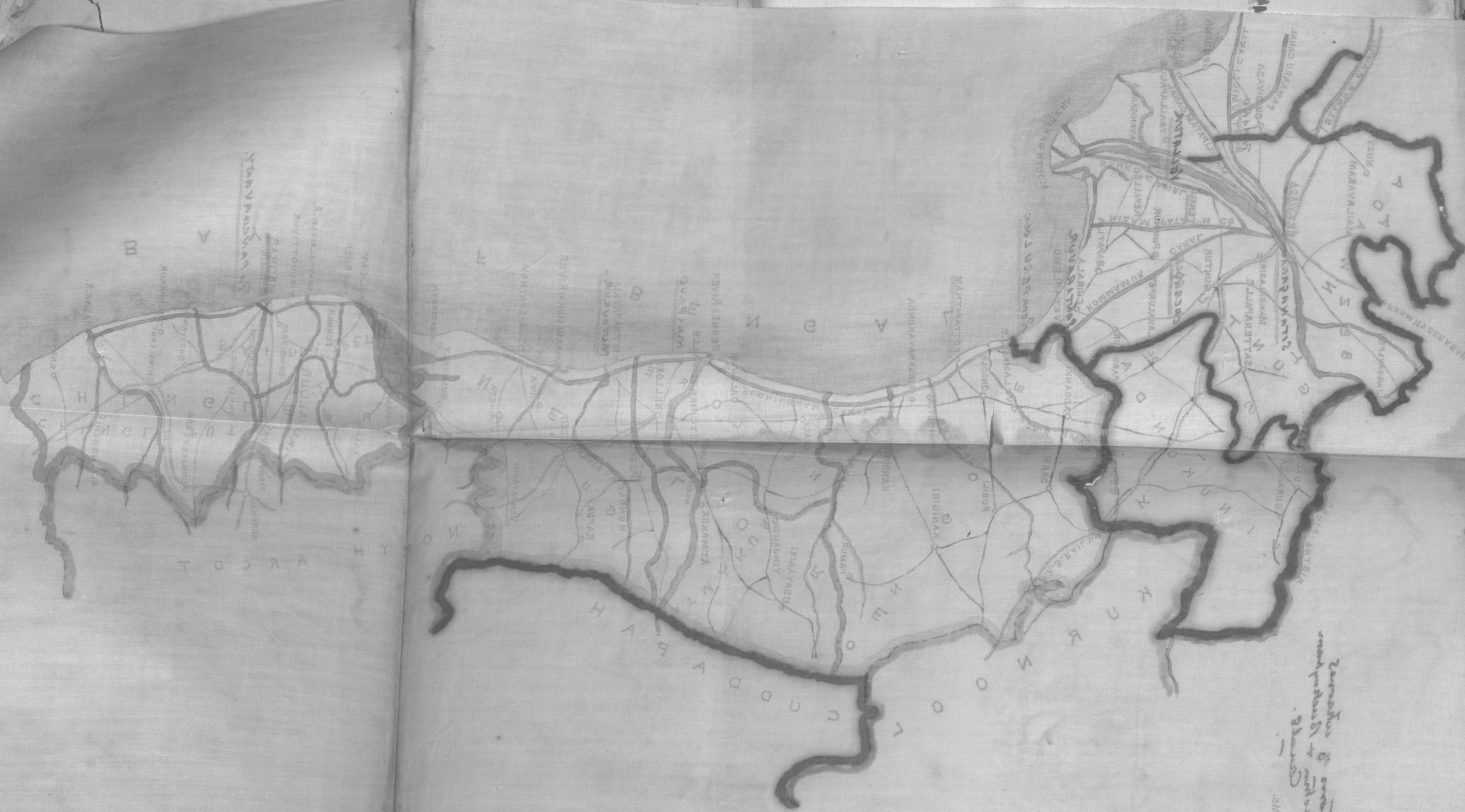


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Madras Presidency

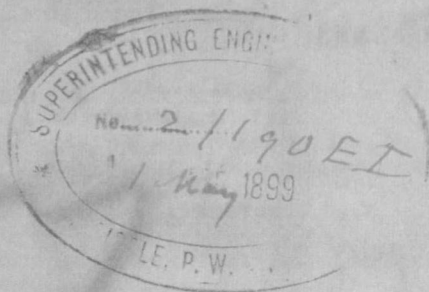
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8 3 p
IV & V. Special limits
are now reserved at the
Wharf for imports &
exports respectively &
marked by notice boards
The loading & unloading
and be regulated accordingly

The portion of the wharf
is reserved for
imports and a portion
for exports -

Whether any of the
other landing places
should be included
not necessary. H.

Dist. 2
4689/99

such as iron and stones &c.,
shall load and unload
at the granite steps, instead
of on the laterite steps -
which are apt to be dama-
ged thereby.

VI At the Madras basin
boats conveying ordinary
light cargo or food-grains,
and also passenger boats,
shall load and unload
along the remaining portion
of the wharf wall, ~~where~~
~~there is room for them to~~
~~doing.~~ Private boats and
budgeiros shall be
moored ^{at} the south
end of the wharf wall,
as it is near the main
road where carriages
can drive up.

VII The working hours of the
day at the Madras basin
for loading and unloading
Cargo or shipping and
landing passengers are
limited to twelve hours
from

from 6 am to 6 P.M.

VII All boats which enter the limits of the Madras Town Wharf from the North or South shall be registered at the ^{Emigration} Madras Basin and Adyar South ^{on arrival} respectively and shall obtain a wharf ticket form. If or pass in form. If and the refusal on the part of boatmen and boatowners to furnish information required will render them liable to the penalty laid down in rule 28 of the navigation rules.

Note - Registers for Imports are maintained at the Madras S. Lock & for Exports at the Madras Basin.

Boats entering the limits of the Madras Town Wharf from the South shall be registered and obtain wharf tickets or passes at the Adyar South Dock.

W.H.

25/5/58.

21/4/58.

All boats stopping for the purpose of loading or unloading at the Madras River or Elephant Gate must moor along the wharf walls or where there is pressure for unloading room where directed by the wharf berth. Superintendent.

Boats not exceeding 40 ft in length between perpendiculars shall load & unload lying across the canal but boats exceeding that length shall lie broadside on and the loading and unloading done through the sides.

At the Madras Basin the landing place for boats bringing firewood is the portion of the wharf opposite the wood depot i.e. near the basin bridge. Boats with heavy cargo,

such

whether Elephant Gate should require this -

Yes. L.

B.

whether this rule is only suitable to Madras basin which case the words "at the Madras basin" should be inserted before "Boats" not in

Rahdaries & open cargo boats shall lie broadside & load & unload through the sides. Top boats, decked cargo boats & boats of less than 50 ft in length shall lie across the canal & load or unload through the prow or stern.

It is now proposed to limit rule III to Super or short boats & control as suggested by Encl. B.

25/5/58.

Geo

Special rules for the regulation of traffic at the Madras Town Wharf.

I The following are the ^{landing} ~~landing~~ places within the limits of the Madras Town wharf referred to in rule 26 of the navigation rules. The bulks are measured from St. Mary's bridge.

Madras Basin	From Basin bridge	1-5-360
	to Railway bridge	2-1-32
Salt Bazaar & Trunk Basin	From Elephant gate bridge	0-7-114
	to Basin bridge	1-5-360
Elephant gate wharf	From Railway bridge	0-6-421
	to Elephant gate bridge	0-7-114
Chintadripet wharf	From Chintadripet bridge	
	2 furlongs west of bridge	
Barbers bridge	North of Barbers from	3-0-528
	to Bridge	3-1-198
Mylapore bridge	From east of Mylapore	3-3-468
	to Bridge	3-5-639

Wharfage Fees.

Six Weeks.
Rs. - as - P.

Every vessel which loads or discharges at any wharf per ton of registered tonnage to cover use of any wharf or wharves for a period of seven days 0-1-0

Fees for using the places reserved at wharves for best measuring or best weighing goods per boat per diem 1-0-0

Demurrage Fees

Vessels remaining at any of the wharves after the expiry of a wharf ticket per ton of registered tonnage for every day or portion thereof 0-0-3

Goods remaining at any of the wharves for more than seven days per 100 sq. feet, or portion thereof, of space occupied by the goods per day 0-1-0

Special Rules for the Regulation of Traffic Madras Town Wharf.

The following Special rules
for the regulation of traffic
in the Madras Town wharf
are framed under rule 28
of the Navigation rules and
under section 16 of the Canals
and Ferries act No II of 1890.
These rules will be fixed
to notice boards in con-
spicuous places at the
different landing places
in addition to navigation
rules Nos 25 to 32 which
relate to wharves and the
notification relating
to wharfage fees published
under section 6 of Madras
act II of 1890.

Rule 25

- do - 26

- do - 27

- do - 28

- do - 29

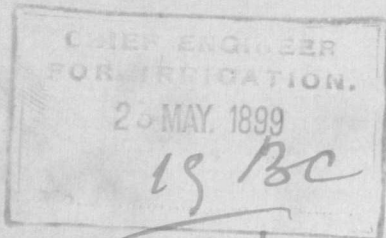
- do - 30

- do - 31

- do - 32

These rules will be
printed in full

Wharfage fees.



Flag C

prevent locks being used as landing places and a new rule 50 added at the suggestion of the office

Flag V

9. The special rules for the regulation of traffic at the Madras Town Wharf have been drafted in consultation with the Supr. Engineer, 5th circle. They are to take the place of a set of rules published with G.O. No 632. S. dt 17th July 1893. and are made applicable to the amended wharf rules now proposed.

Flag D

Ootacamund }
30th May 1899 }

W. Hughes

Chief Engineer for
S. W. D.

30/5
H.
J.

The Joint Secy to Govt
P. W. D. S. D.

fees should not be levied while the Agent of the Railway states that it will facilitate their business if wharfage fees are not levied. It is recommended that fees be levied at this wharf the mode of collection being settled with the Railway Company.

8. The above are the more important alterations and amendments proposed. Besides these as the rules must be reprinted, the opportunity has been taken of amending some of the forms and rules on suggestions of the Supr. Engineers, as briefly described below

In rule 3 the words "Superintending and" are added before "Executive Engineers".

Flag T

Provision is made for issuing six weeks licenses on a different form from that used for annual licenses and for fresh forms being used when renewing licenses found advisable by Executive officers

Rule 49 has been added at the suggestion of the Supr. Engineer 1st circle, to prevent

Flag C.

ticket if a boat owner thought himself likely to remain at the wharf for more than four days, it would be better for him to take out a fresh wharf ticket but if for less than four days he would pay his demurrage of 3 pies per ton per diem.

May N

7. With his endorsement No 220, K. W. of 21st July 1898 the Supg Engineer, 2nd Circle, submitted for orders the question whether wharf fees should be levied at the Railway siding & wharf at Seetanagarum which is within one mile of the other Seetanagarum wharf. The Supg. Engineer was directed to ascertain and report the views of the Railway Co. and of the collector on behalf of the local public. The Supg. Engr's reply is submitted to Govt for orders. The collector & the Supg Engineer see no special reasons why wharf fees

Aug. I

Cargo boats with full cargoes for a particular wharf, entailing a more prolonged stay at the wharf, will pay much the same as now. Under this system the actual receipts at each wharf may not represent the actual earnings or utility of the wharf and the wharf receipts and charges should be judged as a whole. The proposal is embodied in the accompanying amended rules and forms.

May V

8. The Supg. Engineer, 5th Circle, brought to notice that the demurrage fee leviable under the rules where a boat stayed over seven days at a wharf was one anna per ton per diem that is the same fee as covered the use of the wharf for the first seven days. It is now proposed to reduce the fee to 3 pies per ton per diem making it optional to the boatowner to take out a fresh wharf ticket for another seven days. The practical effect of this would be that on the expiry of a wharf ticket

close together, no hardship was felt, but on the Kistna wharves being declared, the Supp. Engineer represented that owing to the closeness of the wharves to each other in the Kistna Canals, a boat has sometimes to pay wharfage fees on its full-registered tonnage several times on a journey of 41 miles. This it is represented is especially hard on the large Rahadari boats which run up to over 40 tons register. The Supp. Engineer proposed that boats should not pay fees at a wharf within 50 miles of one from which they had obtained a clearance ticket within 24 hours. The grievance appears to be a real one, and the simplest way that occurs to the undersigned to meet it, is to make a wharf ticket cover the use of any number of the wharves during a period of seven days. In this way the large Rahadari boats touching at several wharves on a trip to land or take up passengers or two, will be relieved from the burden they now feel, and the

As proposed above the number of wharves will be reduced from 25 to 14, 8 of these being situated on the Kistna Canals and the remainder on the Buckingham Canal.

5. The accompanying map shows the positions of the wharves in the Kistna Canals from which it will be seen that they are comparatively close together. Under the present rules a boat landing any cargo or passengers at any of these places is liable to the payment of a fee of one anna a tow on the full registered tonnage of the boat, irrespective of the quantity of goods or number of passengers dealt with, and although the payment of this fee covers the use of the wharf at which it is paid for a period of seven days, the use of any other wharf within this period entails the payment of another fee. Prior to the publication of the navigation rules in April 1898, the only wharves that had been declared were on the Buckingham Canal and as these are not close

the wharf is completed.

3. On the Buckingham Canal no facilities have been provided at Woolapoliem and Ichapilly and these two places may therefore also be omitted from the list.

4. The marginally noted six places declared to be wharves on the Buckingham Canal are all within the limits of the Madras Municipality. These are all long established landing places, although only the first three are regular wharves. It is necessary for the benefit of the public that indiscriminate landing and shipping of goods at different parts of the Canal, and of the Cooum river in Madras, should not be permitted and that this should be confined to these six places, but the wharf rules No 25 & 32 as they stand are not applicable. After consulting the Supt. Engineers, these rules have been revised and a special set of local rules drafted for the management of these landing places to be all included in one wharf to be called the Madras Town wharf.

Madras Boat Basin
Madras Elephant Gate
Madras Truvelgam Wharf
Chintadripett
Barbers' Bridge
Madras.

Flag K

Flag V

rules in 1894 but at several of the places named, no facilities for the landing or shipping of goods had been provided nor was there any establishment maintained for the regulation of traffic or the collection of fees. It was considered by the undersigned that the general principle which should govern the collection of wharfage fees at any particular places should be that such charges are intended to pay for the cost of providing wharves or other facilities at those places, and the Supt. Engineers were asked to report at which of the wharves which had been declared such facilities existed. In the first & second circles, no facilities have been provided at the following four places and it is accordingly proposed to omit them from the list of wharves.

Palakate
Ellore
Nandivabergu
Sundale

At the time that the notification was published, no facilities had been provided at Vellatur but as a wharf at this place is now under construction, Vellatur may be kept on the list, the collection of fees being deferred until the

Navigation Rules.

Note by the Chief Engineer
for Irrigation dated

N^o 121. I

The Navigation rules approved in P. R. G. No 819, dated 18th April 1898 have now been in operation for a year and some defects have come to notice which it is proposed to remedy. The chief subject to be dealt with has to do with the wharves which were declared in the notification published under Section 6 of Readrols Act II of 1890, and the wharfage and demurrage fees leviable on boats making use of these wharves.

2. In para 3 of the Certificate referred to, wharfage and demurrage fees were declared to be leviable at 25 different places on the Heston and Buckingham Canals. The list was drafted on the recommendation of a Committee appointed to deal with the navigational rules.

BACK PAPERS.

FURTHER PAPERS.

very
Public Works (1899) Department.

CURRENT No. 4689

From The Chief Engineer for Irriga

Order

No. 1219

Dated 30-5-99

Received

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Enclosures

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SUBJECT.

*Navigation Rules — note
proposing certain amendments
in the —*

CURRENT FILE.

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James Thompson

(3)

FORM K. (Vide Rule 5.)

Original.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890:—

Number of license. _____

Whether first or renewed license. _____

Number of renewal. _____

Owner's name. _____

Owner's residence. _____

Description of vessel. _____

Place where vessel was built. _____

Extreme dimensions ... { Length, feet
Breadth, feet
Length, feet
Breadth, feet

Measurement for tonnage. { Breadth, feet
Depth, feet

(2)

James Thompson

FORM K. (Vide Rule 5.)

Duplicate.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890:—

Number of license. _____

Whether first or renewed license. _____

Number of renewal. _____

Owner's name. _____

Owner's residence. _____

Description of vessel. _____

Place where vessel was built. _____

Extreme dimensions ... { Length, feet
Breadth, feet
Length, feet
Breadth, feet

Measurement for tonnage. { Breadth, feet
Depth, feet

James Thompson

FORM K. (Vide Rule 5.)

Triplicate.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890:—

Number of license. _____

Whether first or renewed license. _____

Number of renewal. _____

Owner's name. _____

Owner's residence. _____

Description of vessel. _____

Place where vessel was built. _____

Extreme dimensions ... { Length, feet
Breadth, feet
Length, feet
Breadth, feet

Measurement for tonnage. { Breadth, feet
Depth, feet

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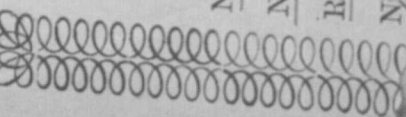
Pass for vessels, the

FORM J. (Vide Rule 29.)

This pass is granted vessel to lie within or to pass through the limits of the Madras destination or place of wharf without payment of wharfage or demurrage fees.

Number of vessel.
Place of vessel.
Name of place at which
Date of expiry of permit.

may lie.



FORM J. (Vide Rule 29.)

Pass to permit a vessel to lie within or to pass through the limits of the Madras Town wharf without payment of wharfage or demurrage fees.

Number of vessel.
Name of owner.
Residence of owner.
Name of place at which vessel may lie.
Date of expiry of permit.

a vessel is permitted to pass through the limits of the Madras Town wharf for

Pass for vessel

FORM H. (Vide Rule 45.)

This pass is granted to the vessel to proceed to its destination or place of repair, its license having been suspended:—

Number of vessel.

Place of owner.

Name of place at which

Date of expiration

and date of license.

Name of owner.

Residence of owner.

Period of suspension.

of rule infringed.

FORM H. (Vide Rule 45.)

Pass for vessels, the licenses of which are suspended, to proceed to their destination or place of repair.

This pass is granted to permit the vessel noted below to proceed to its destination or place of repair, its license having been suspended:—

Number of vessel.

Place and date of license.

Name of owner.

Residence of owner.

Period of suspension.

Number of rule infringed.

FORM G. (*Vide* Rule 42.)

Inspection Certificate.

The steam vessel bearing No. of has been inspected
in accordance with paragraph 42 of the rules passed under Act II of 1890 and
is passed for navigation on canal for a period of six months
from this date subject to the conditions noted below :—

Station.

25
FORM G. (*Vide* Rule 42.)

Inspection Certificate.

The steam vessel bearing No. of has been inspected
in accordance with paragraph 42 of the rules passed under Act II of 1890 and
is passed for navigation on canal for a period of six months
from this date subject to the conditions noted below :—

Station.

FORM F. (Vide Rule 29.)

Original. No.

WHARF CLEARANCE TICKET.

Station.
Boat No.
Description of Cargo.
Amount of wharfage }
fees received.
Date.
Rs. A. P.
Wharf Clerk.

FORM F. (Vide Rule 29.)

Duplicate. No.

WHARF CLEARANCE TICKET.

Station.
Boat No.
Description of Cargo.
Amount of wharfage }
fees received.
Date.
Rs. A. P.
Wharf Clerk.

FORM F. (Vide Rule 29.)

Triplicate. No.

WHARF CLEARANCE TICKET.

Station.
Boat No.
Description of Cargo.
Amount of wharfage }
fees received.
Date.
Rs. A. P.
Wharf Clerk.

24

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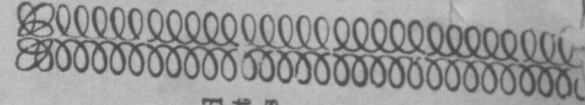
FORM E. (Vide Rule 24.)

Certificate of Registration for vessels free of charge.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal without payment of any fee, but not to carry any goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner

Date of Issue



FORM E. (Vide Rule 24.)

Certificate of Registration for vessels free of charge.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal without payment of any fee, but not to carry any goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.

Date of Issue

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28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence;

Date of Issue

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
thirty days for a third offence in the same year;

Date of Issue

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FORM D. (Vide Rule 19)

Certificate of Registration for vessels intended for personal use of the owners.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal, but not to carry goods, animals or passengers for purposes of trade:—

- Number.
- Name of owner.
- Residence of owner.
- Description of vessel.
- Vessel built at
- Year in which vessel was built.
- Amount of fee paid, Rs.
- Period of Registration.

Signature of the Canal officer ordering the suspension.	Date.	Place.
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FORM D. (Vide Rule 19)

Certificate of Registration for vessels intended for personal use of the owners.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal, but not to carry goods, animals or passengers for purposes of trade:—

- Number.
- Name of owner.
- Residence of owner.
- Description of vessel.
- Vessel built at
- Year in which vessel was built.
- Amount of fee paid, Rs.
- Period of registration.

Signature of the Canal officer ordering the suspension.	Date.	Place.
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Certificate of Registration.

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28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall paint the following figures and marks painted conspicuously on their vessels before using them in the canal, and shall be responsible that those marks and figures are not defaced or

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall paint the following figures and marks painted conspicuously on their vessels before using them in the canal, and shall be responsible that those marks and figures are not defaced or

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FORM B. (Vide Rule 17.)

Pass for vessel for which the license has been lost.

This pass is granted to permit the vessel noted below to navigate the canal without license, as it is reported that the license has been lost. The fee prescribed for issuing duplicate license has been paid :—

Number of vessel.

Description of vessel.

Place and date of license.

Name of owner.

Residence of owner.

FORM B. (Vide Rule 17.)

Pass for vessel for which the license has been lost.

This pass is granted to permit the vessel noted below to navigate the canal without license, as it is reported that the license has been lost. The fee prescribed for issuing duplicate license has been paid :—

Number of vessel.

Description of vessel.

Place and date of license.

Name of owner.

Residence of owner.

REVERSE OF FORM A.

6. *Counterpart of license.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is the counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed, the officer who granted the license may, upon the application of the original owner and the transferee, after the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.

8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the license if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels

Certificates of inspection shall be issued in Form G suspended

REVERSE OF FORM A.

6. *Counterpart of license.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is the counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed, the officer who granted the license may, upon the application of the original owner and the transferee, after the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.

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28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

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42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels

Certificates of inspection shall be issued in Form G suspended

16

FORM A. (Vide Rule 5.)

Annual license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canal according to the rules passed under Act II of 1890 :—

- Number of license.
- Owner's name.
- Do. residence.
- Description of vessel.
- Place where vessel was built.
- Year in which vessel was built.
- Extreme dimensions. { Length, feet.
Breadth, feet.
Depth, feet.
- Measurement for tonnage. { Length, feet.
Breadth, feet.
Depth, feet.
- Contents, cubic feet.
- Gross tonnage.
- Deduction.
- Registered tonnage.
- Date of expiry Period of license.

Signature of the Canal officer ordering suspension.	Date.	Place.
---	-------	--------

of license.

FORM A. (Vide Rule 5.)

Annual license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canal according to the rules passed under Act II of 1890 :—

- Number of license.
- Owner's name.
- Do. residence.
- Description of vessel.
- Place where vessel was built.
- Year in which vessel was built.
- Extreme dimensions. { Length, feet.
Breadth, feet.
Depth, feet.
- Measurement for tonnage. { Length, feet.
Breadth, feet.
Depth, feet.
- Contents, cubic feet.
- Gross tonnage.
- Deduction.
- Registered tonnage.
- Date of expiry Period of license.

Signature of Canal officer ordering suspension.	Date.	Place.
---	-------	--------

of license.

(2) The tonnage of the vessel shall be above the load line.

(3) The number of passengers, which the such vessel or on the after-part of t

(4) The load line for a length of 3 feet at

The said numerals and letters shall be in ground or black on a white ground. Each numeral length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules, in the vernacular shall, at the time of registration, be given to the owner or person in charge of the vessel, and his signature taken in the register of licenses in possession, a copy of the navigation rules and

49. Mooring of vessels.—No vessel shall moor within the limits prohibited by notice-board quays or wharves specially provided for the purpose if there be only one such path, or on the windward side except when actually loading or unloading. Vessels shall be made fast stem and stern to the bank and securely fastened at both ends to the canal bank.

50. *Interference with locks.*—No person unlo
any part of their machinery.

51. *Place and time of repairs of vessels.*—No written permission of the Canal officer. The repairs named in the written permission, and at 1 shall remove from the canal all surplus materi the repairs are completed. In the event of 4 by the Canal officer at the expense of the owner until payment is made.

52. *Sea-going vessels.*—Sea-going vessels but other than to ply for hire shall anchor or lay place and manner as the Canal officer shall direct.

V.—NAVIGATION

33. *Dimensions of vessels and rafts.*—No vessel of less than 10 feet in width shall navigate the canals, except those boats which have obtained a special license may be granted by the Canal office.

In the portion of the Buckingham canal between Madras and south of it, the fixed fittings of vessels shall not exceed 12 feet in height, and cargo piled on vessels shall not exceed 12 feet in height, and piled cargo or roofs or fixed fittings shall not exceed 12 feet in height.

No raft exceeding 90 feet in length, 12 feet in width, shall be allowed on any of the canals.

34. *Free board.*—No vessel carrying cargo shall have a free board of less than 9 inches; and no vessel shall have a free board of at least 12 inches. The free board shall be measured from the top of the gunwale when the vessel has a deck.

35. *Passenger boats may carry cargo on certain conditions.*—Passenger boats may also carry cargo, every 10 cubic feet of passenger space shall carry one cubic foot of cargo; but the total of the number of passengers carried shall not exceed the number of passengers which the vessel shall carry on the roof or side of the vessel. No vessel shall carry bones, skins or other articles which, in the opinion of the Canal Office, are dangerous to the navigation of the canals. No vessel shall lie at anchor in the canals.

36. *Care and management of vessels.*—Every vessel shall have at least, on board, competent to steer and manage the vessel, and to take care of her.

37. *Lights.*—Vessels using any of the canals shall have the following lights:—

Vessels.	When moving.
Steamers	One clear white light on the upper deck. One bull's eye light on the 8" diameter on the side. One bull's eye light on the 8" diameter on the right side. One clear white light at the stern end fixed not less than 15 feet above the water line.
All vessels not propelled by steam.	One clear white light on the general cabin or on the stern end.
Rafts	One clear white light on the stern end.

The two bull's eye lights shall be so placed and pointed directly ahead of the vessel and so as not to dazzle the eyes of the passengers. Subject to these provisions, the lights shall be carried at the sides of the vessel near the bow or on the cabin.

38. *Speed of steamers.*—No steamer shall move in the canals, and, between sunset and sunrise, the speed shall not exceed 3 miles an hour. Every steamer shall be furnished with a whistle to give notice of their approach to the locks. Every steamer shall stop and reverse when passing round a bend in any canal and reduce their speed to 3 miles an hour during the day.

39. *The passing of vessels.*—When two vessels are passing in the same direction, the vessel going north shall keep out of the way of the vessel going south, which are being towed by the way of all other vessels.

22. *Transfer of ownership and register.*—When year is transferred during such period, the register request of the original owner and the transferee, by that of the former.

24. *Exemption from payment of fees for registration of boats used exclusively for pleasure.*—If a boat is used exclusively for pleasure, the owner thereof shall be exempted from the payment of the fee for registration of such boat.

24. *Exemption from payment of fees for registration* of boats used solely for fishing on the Buckingham carrying firewood on the Masulipatam canal, in the Pettta basin and in the Gódvári river; but all such registration in Form E attached to these rules shall send to a District Board proceeding to their destinations shall to pass through the canals free of charge on written notice.

25. *Wharves.*—A wharfage fee at the rate per section 6 of the Act shall be paid by the owner of ships or lands passengers at any of the wharves "cargo" shall include empty bags, baskets, boxes usually carried.

The wharf rules shall not apply to salt fac-
control of the Salt Department except the land-
private wharves or landing stages shall in future cer-
navigation without the previous sanction of G.
26. *Wharf*

26. Wharf limits.—No vessel shall load or unload at any place other than wharves established by the local wharf rules for the regulation of traffic published by the Canal officer and payment of fees as afore-
said path or on the canal side of any tow path under canal lands without special permission in writing from the

27. Wharves which may be declared hereafter.
levied at any wharf, which may hereafter be again
declared, by notification in the Fort St. Geo.
concerned, to be available for loading.

28. Regulation of traffic at wharves.—The regulations to the rules framed in that behalf and approved by the notice-board in a conspicuous place at each end of the wharf be punished by suspension of the license of the wharf on the not exceeding three months.

29. Wharf clearance tickets.—Every person eye brig obtain from the wharf superintendent a wharf de. rules. This ticket will permit the person to exceed:

This ticket will permit the holder to moor the vessel for a period not exceeding seven days from the date of issue. In the event of the vessel being moored at the Superintendent of the Madras basin to vessel moorings, the vessel must either be moored within the wharf limits as provided in rule 30. In the event of the vessel being moored at the Superintendent of the Madras basin to vessel moorings, the vessel must either be moored within the wharf limits as provided in rule 30.

as provided in rule 30. In wharf limits, bin, may also be permitted to lie up in certain per limits of the Madras town wharf, without paym of a special permit in Form J signed by a Canal by the permit, the vessel does not load or unload

by the permit, the vessel does not load or unload
ticket shall be delivered up at the next wharf or
shall leave wharve - on the same day on which it

30. Demurrage fee on receipt. In addition to the expiry of a wharf ticket it shall be optional at a wharf for more than seven days reckoned

at a wharf for more than seven days reckoned position to load or unload freely shall be notified publication under section 6 of the Provided that no demurrage fee shall be charge allowed to lie at the wharf.

31. *Demurrage fee on goods.*—The consignee remove his goods from such wharf within seven days after the goods are landed; and if the said goods be not removed within the said seven days, the consignee shall pay demurrage fee at the rate prescribed in the said regulations. The said goods shall not be removed until the said demurrage fee be paid.

32. *Additional wharfage fee for test-weighing.* The places reserved at wharves for test measuring and wharfage fee prescribed for the purpose in the and shall not allow the goods to remain at the such test measurement or test weight.

The depth of all vessels shall be measured in tonnage. If a vessel is decked, the measurement shall be taken from the deck planking or, in case of a break, below a line ing. If the vessel is an open one or a "Rahadari" shall be from an athwartship line extended from the side of the vessel. If the vessel has a fixed ceiling (inner) the measurement shall be to the inner side of such ceiling. If a vessel has no ceiling the measurement shall be to the inner side of the outer bottom.

12. *What to be deemed the tonnage of a vessel.* If the tonnage of a vessel has not been ascertained, the same shall henceforth be deemed to be ascertained in the form or capacity of such vessel as has been erroneously computed; and in such case the vessel shall be remeasured and her tonnage determined accordingly.

12. *What to be deemed the tonnage of the outer bottom*
 been ascertained, the same shall henceforth be deemed
 ation is made in the form or capacity of such vessel
 thereof has been erroneously computed; and in
 remeasured and her tonnage determined according
 behalf.

13. *Registered tonnage.*—The net or registered tonnage shall be the gross tonnage less one-third for steamers and one-half for sailing ships. A fraction of a ton above half shall be taken as one ton.

14. *Enlarged or altered vessels.*—A vessel that, as to affect the conditions upon which the license has been remeasured and a fresh license has been obtained for a new license shall be made at the station at which the applicant for such fresh license shall deliver up the license and the difference between the fee paid by him and the fee for a new license.

15. *Number of passengers licensed to carry.*—carry a greater number of passengers than in the every $7\frac{1}{2}$ square feet of covered space, which shall feet over all covered space, by the mean of the Executive Engineer of the division, or any other during festivals, on application by the owner of a limit of the number of passengers to be carried, so ordered thereby.

16. *Licenses for passenger boats.*—Licenses or "second class." The holder of a "first class" castes as he pleases. The holder of a "second class" distinction of caste.

17. *Provision in case of loss of license.*—If issued by the officer who granted the license on a published under section 6 of the Act. If the loss the station at which it was licensed, the loss who shall thereupon issue a pass in Form B attached until the arrival of the vessel at the station at upon such arrival, the owner or his agent shall do fee for a duplicate license.

18. *Rafts*.—The owners or persons in charge of rafts shall pay the fees prescribed in the notification published under Form C attached to these rules, and these licenses shall be of issue.

19. *Registration of vessels.*—Vessels intended employed in carrying goods, animals or passengers carrying goods, animals or passengers for purposes of registration shall, on payment of the fees prescribed by the Act, be issued in Form D attached to the Act, one year or six weeks as the owner of the vessel may require, to holders to use the lines of navigation therein mentioned, of the division in which the port of registry of such vessel belongs. Vessels registered under the provisions of the Act shall be subject to all regulations as those for which they are so registered.
20. *Place of Registration.*—A vessel or unloaded

20. *Place of Registration.*—A vessel shall be registered at the station at which a vessel is registered shall belong.

21. *Registering officer and register.*—The port of registry of a vessel is situate or any Canal shall be responsible that the certificate of registry that the counterpart is carefully preserved and certificate to which it refers.

NOTIFICATION

I.—General

Under the provisions of section 16, Madras A

- The Dumagudiem canal, Gôdâvari district.
- The Gôdâvari canals, consisting of the artificial navigable channels and such portions of the natural waterways as are necessary for navigation between them in the Gôdâvari district, south and east of Rajahmundry.
- The Kistna canals, consisting of the artificial navigable channels and such portions of the natural waterways as are necessary for navigation between them in the Kistna district.
- The Buckingham canal, consisting of the artificial reaches of the canal and such portions of the rivers, backwaters and estuaries connected with it as are necessary for navigation between the reaches in the Nellore, Chingleput and South Arcot districts and the Cooum river in Madras town.
- The Védâranniyam canal in the Tanjore district.

3. *Officers and their powers.*—The managing Executive Engineers of the divisions of the Public Works Department, subject to the supervision of the Superintending Engineer for Irrigation, the control of the Chief Engineer for Irrigation, in respect to the canals in their charge, authorized by the Act and to delegate, in writing, all or any of their powers and functions to such officers or subordinates as may be appointed by them.

II.—General

4. *Vessels to be licensed.*—All vessels using the canals except those registered under rule 19 or exempted therefrom.

5. *Conditions and rates of fees.*—On application made either in person or by letter, for permission to use the canals for navigation, and on payment of the fees prescribed in section 6 of the Act, the Executive Engineer of the division, if duly authorized by him, shall grant a license for these rules either for one year or for six weeks as may be required, subject to a condition that claims for compensation for damage to the canals for repairs, insufficiency of water or other causes shall be recognized. The applicant shall furnish all the particulars required for the license. Boats which have not been previously licensed where annual licenses are issued for measurement shall be licensed.

6. *Counterpart of licenses.*—Every Canal Officer shall retain a counterpart of every license granted by him and of the license of which it is a counterpart. When an alteration shall be made in the counterpart thereof, the counterpart of the license shall be altered accordingly.

7. *Transfer of license for one year.*—If the vessel is changed during the year for which the vessel is licensed, upon the application of the original owner and the name of the latter for that of the former, the license may be transferred to another vessel.

8. *Licenses for one year.*—Every license for one year shall expire on the 1st of March following the date of issue, unless it is renewed.

9. *Renewal of six weeks' licenses.*—A license for six weeks may be renewed for further periods of six weeks as may be required. Such renewals shall be endorsed upon the license.

10. *Conversion of a six weeks' license.*—If a license for six weeks is renewed more than once, it may be converted into a license for one year upon receipt of the difference of fee payable.

11. *Gross tonnage.*—The gross tonnage of a vessel shall be measured at half the midship depth in feet and inches, measured at the side of the stem to the inside of the hull, and shall be hereinafter called the length for tonnage. The sum of five widths taken at equal distances from the stem to the stern, measured from the rib on one side to the inner side of such ceiling on one side to the inner

9 Shandy

PABA

II.—Licenses

III.—Registration.

IV. Wharves.

V.—Navigation Rules.

Dimensions of vessels and rafts	...	...	...	...	...
Free board	...	...	...	...	...
Passenger boats may carry cargo on certain conditions	...	...	...	...	...
Care and management of vessels	...	...	...	...	...
Lights	...	...	...	...	...
Speed of steamers	...	...	...	...	...
The passing of vessels	...	...	...	...	...
Sails when to be lowered	...	...	...	...	...
Inspection of vessels other than steamers	...	...	...	...	...
Inspection of steamers	...	...	...	...	...
Production of license and stoppage of vessels	...	...	...	...	...
Limit of Canal officers' powers	...	...	...	...	...
Pass for vessels under suspension to proceed	...	...	...	...	...
Punishment of owners of rafts	...	...	...	...	...
Marks and figures to be painted on vessels	...	...	...	...	...
Circulation of rules	...	...	...	...	...
Mooring of vessels	...	...	...	...	...
Interference with locks	...	...	...	...	...
Place and time of repairs of vessels	...	...	...	...	...
Sea-going vessels	...	...	...	...	...

NOTIFICATION.

GENERAL.
Act II of 1890 (An Act to make better provision for the establishment of Canals and Public Ferries in the Presidency of Madras and for the management thereof), His Excellency the Governor in Council is pleased to declare that, in supersession of the existing rules regarding navigation on canals, the following rules shall, on and after 15th May 1898, be in force on the lines of navigation defined in the margin or which may hereafter, by notification, be brought under the provisions of the said Act.

1. Exemption of Government canal vessels from paying license fees, &c.—All Government vessels belonging to the Public Works Department shall be exempted from paying license or registration fees or tolls.

2. Control of canals for navigation is vested in the Public Works Department in which the canals are managed. The Superintendent Engineer of the circle concerned and the Superintending and Executive Engineers are, to exercise the powers described in section 7 of those powers to any officer or subordinate workmen referred to in these rules as "Canal officers."

3. LICENSES.—Any of the artificial canals shall be licensed under rule 2 or rule 24.

4. Navigation by the owner of a vessel or his agent.—The owner of a vessel or his agent, to navigate any particular line or connected lines prescribed in the notification published under the division concerned, or any other Canal officer such navigation in Forms A or K attached to the owner of the vessel or his agent may elect, in consequence of the closure of all or any of the canals, any other impediment to navigation shall not be information necessary for the due filling in of the license must be taken to a licensing station.

5. Officers empowered to grant licenses shall retain the license.—The officer who granted the license may, at the transference, alter the license by substituting the name of the vessel.

6. Ownership of a vessel licensed for one year is transferred.—The ownership of a vessel licensed for one year is transferred to the licensee, who may, at the transference, alter the license by substituting the name of the vessel.

7. But a license granted for one vessel shall not be granted for another.—A license granted for one vessel shall not be granted for another vessel.

8. One year shall remain in force until the 31st December.—A license granted for one year shall remain in force until the 31st December.

9. Cancelled or suspended as hereinafter provided.—A license granted for one year shall be cancelled or suspended as hereinafter provided.

10. Renewed from the issue of a new license on each occasion.—A license granted for one year shall be renewed from the issue of a new license on each occasion.

11. A license granted for six weeks has not been issued.—A license granted for six weeks has not been issued.

12. The year in which it was issued.—The year in which it was issued.

13. For a license for one year.—For a license for one year.

14. A vessel shall be ascertained by multiplying its length.—A vessel shall be ascertained by multiplying its length.

15. The length of a straight line from the inside of the outerplank.—The length of a straight line from the inside of the outerplank.

16. outerplanking at the side of the stern post and—outerplanking at the side of the stern post and

Explanatory notes on alterations proposed.

Words underlined with red ink are new words proposed - words through which a black line has been drawn it is proposed to omit -

It is necessary to make the rules applicable to the Coorun with reference to the revision of rules Nos 26 & 29.

3. Vide Flag U. In the case disposed of in O.M.F. No 799 d. 15 Oct 98 regarding the detention of Gunpowder at Bezuah the Govt Solicitor held that Supd Engrs were not authorised by the rules to exercise the powers given to them. Engrs -

5. At present annual licenses and six weeks licenses are in the same form A. printed on paper of different colours. The six weeks licenses are required to be in triplicate & the annual only in duplicate vide flag V and the treatment of the six weeks license as regards suspension is special. It is proposed to have two forms one for annual one for six weeks licenses -

7. At suggestion of S.P. II flag V. No 503 S.P. d. 13-8-98. Six weeks licensing officers cannot be trusted to measure properly -

9. The S.P.s all agree that the issue of new forms is better than endorsing the orig^l license for checking purposes - flag V

a vertical line at the centre of the length for
for depth shall be from the under side of the
stretched in continuation of such deck plank
" (transit) boat the measurement for depth
upper edge of the upper strake on both sides
er planking) the measurement for depth shall
has no fixed ceiling the measurement for
on plank.

—Whenever the tonnage of any vessel has
ed to be the tonnage thereof, unless any alter-
ed or unless it is discovered that the tonnage
either of such cases, such vessel shall be
to the rule hereinbefore contained in that

tonnage upon which fees are leviable shall be less fifteen per cent. for other vessels. Any tonnage and other fractions shall be rejected. If the vessel has been enlarged or so structurally altered that a new license was obtained shall not ply until it has been re-measured. Such re-measurement and application for a new license shall be obtained. The fee for the old license to the licensing officer, and pay the fee leviable upon the new registered tonnage.

-No vessel licensed to carry passengers shall proportion of one adult or two children for be calculated by multiplying the length in three widths taken at equal distances. The Canal officer duly authorized by him, may, any vessel or his agent, increase temporarily the long as the safety of the public is not endang-

For passenger boats shall be either "first class" license may carry passengers of such caste or "second class" license shall carry all passengers without

When the original license be lost, a duplicate shall be
 granted on payment of the fee prescribed in the notification
 which may have occurred during the absence of the vessel from
 the Canal. It shall be reported to the nearest Canal officer
 when the vessel is returned to these rules. Such pass should hold good
 for the period for which the license was issued. Immediately
 on the return of the vessel the holder shall deliver up the said pass and pay the prescribed

of rafts using any of the canals shall pay the
 per section 6 of the Act and take out licenses in
 shall be in force for six weeks from the date

ISTRATION.

and for the personal use of the owners and not for purposes of trade nor used for towing vessels for purposes of trade shall be registered. Certificates described in the notification published under section 10 of these rules and shall be for a period of either one or two years, as may elect. The certificates shall entitle the holder to use the vessel mentioned and no other. The Executive Engineer may, if he thinks fit, exempt any vessel is situated, or any Canal officer duly authorized in writing, to which class of boats hereinbefore mentioned rule shall be subject to the same rules and regulations as are applicable to the boats of the same class.

be its port of registry or the port to which she

Executive Engineer of the division in which the
 local officer duly authorized by him in that behalf
 relation and its counterpart are duly filled in and
 altered when required so as to correspond to the

take out a fresh wharf ticket for one anna for seven days ^{the rate of 3 pice per}

D
South
flag K

297.
Flag I

308

The S. E. V represented that the demurrage fee of 1 anna per ton of registered tonnage for every day over seven days was very heavy - The alteration proposed enables a boatowner to pay at the rate, 4 pies per diem or to

Record of suspension.

Period of suspension.		Cause of suspension.
From	To	

Number of passengers licensed to carry.
Class of license, 1st or 2nd class.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.
N.B.—This license is to be shown on renewal.
1. Ten cubic feet of cargo is equivalent to one passenger.
2. The period of a six weeks' license includes the day of grant and of expiry.

Renewal of license.	Date of expiry of renewal license.	Signature of the officer who renews the license.
Place.	Date.	

(The above form to be printed in duplicate on white paper of foolscap size—annual licenses on white paper and six-week licenses on yellow paper.)

Record of suspension.

Period of suspension.		Cause of suspension.
From	To	

Number of passengers licensed to carry.
Class of license, 1st or 2nd class.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.
N.B.—This license is to be shown on renewal.
1. Ten cubic feet of cargo is equivalent to one passenger.
2. The period of a six weeks' license includes the day of grant and of expiry.

Renewal of license.	Date of expiry of renewed license.	Signature of the officer who renews the license.
Place.	Date.	

(The above form to be printed in duplicate on white paper of foolscap size—annual licenses on white paper and six-week licenses on yellow paper.)

As it is now proposed to issue a separate form for six weeks licenses these alterations have been made to suit annual licenses

K. P. Macdonald

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

or the inspection of the Canal officer, the license of the vessel shall be cancelled or annulled.
44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession a copy of the navigation rules and regulations.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

Date of Issue.

Place of Issue.

Signature of Issuing Officer.

(The above form to be printed on green paper of $\frac{1}{4}$ foolscap size.)

Date of Issue.

Place of Issue.

Signature of Issuing Officer.

(The above form to be printed on green paper of $\frac{1}{4}$ foolscap size.)

Rafts not to exceed 90 feet in length, 12 feet in breadth and 2 feet draught.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license is to be shown on renewal.

Renewal.		Date of expiry.	Signature of the officer who renews the license.
Place.	Date.		

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

Rafts not to exceed 90 feet in length, 12 feet in breadth and 2 feet draught.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This license is to be shown on renewal.

Renewal.		Date of expiry.	Signature of the officer who renews the license.
Place.	Date.		

(To above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

(1) The names of the canals which a vessel is licensed to navigate shall be painted on each bow.

(2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.

(3) The number of passengers which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter P prefixed.

(4) The load line for a length of 3 feet amidships, on both sides.

The said numerals and letters shall be in English and shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

(2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.

(3) The number of passengers which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter P prefixed.

(4) The load line for a length of 3 feet amidships, on both sides.

The said numerals and letters shall be in English and shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

Handwritten notes on the left page, mostly illegible due to fading and bleed-through.

Record of suspension of

Period of suspension.	
From	To

Place of Issue.
Date of Issue.

Signature of Issuing Officer.
N.B.—This certificate is to be shown on renewal.

Renewal.	Date.	Date of expiry.	Signature of the officer renewing the certificate.
Place.			

(The above form to be printed on paper of 1/2 foolscap size—annual certificates on white paper and six-week certificates on yellow paper.)

Record of suspension

Period of suspension.	
From	To

Signature of Issuing Officer.

N.B.—This certificate is to be shown on renewal.

Renewal.	Date.	Date of expiry.	Signature of the officer renewing the certificate.
Place.			

(The above form to be printed on paper of 1/2 foolscap size—annual certificates on white paper and six-week certificates on yellow paper.)

As it is now proposed to issue fresh certificates instead endorsing renewals on the certificate the columns relating to renewal are not required—

Handwritten notes at the bottom of the right page, including "Lond", "any", "La", "see", "other", "may", "who".

the six weeks' license for not more than six days for a first offence and for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Mooring of vessels.*—No vessels shall moor within the limits prohibited by notice-boards at any lock or masonry work on the tow-path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Mooring of vessels.*—No vessels shall moor within the limits prohibited by notice-boards at any lock or masonry work on the tow-path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

load or unload cargo
or ship or land passengers

other than the
gangs & wharves specially
provided for the purpose
No vessel shall over

load or unload
cargo or ship
and
passengers

other than the
gangs and
wharves specially provided for the purpose. No vessel shall over

Year in which vessel was built at

Year in which vessel was built

Canals to be used.

Place of Issue.

Date of Issue.

Signature of Issuing Officer.

(The above form to be printed on red paper of $\frac{1}{2}$ foolscap size.)

Year in which vessel was built

Canals to be used.

Place of Issue.

Date of Issue.

Signature of Issuing Officer.

(The above form to be printed on red paper of $\frac{1}{2}$ foolscap size.)

Canals to be used.

Place of Issue.

Date of Issue.

(1873)

(The above form to be printed on white paper of foolscap size.)

Printed at the Printing Office.

Printed at the Printing Office.

(The above form to be printed on white paper of foolscap size.)

Canals to be used.

(The above form to be printed on white paper of foolscap size.)

Printed at the Printing Office.

Printed at the Printing Office.

Date of Issue.

Place of Issue.

Canals to be used.

Date of Issue.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—vide rules 29 and 30.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—vide rules 29 and 30.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—vide rules 29 and 30.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

Side note against rule
29-

Handwritten notes on the left page, mostly illegible due to fading and bleed-through.

Date.

Signature of Inspecting Officer.

N.B.—This certificate must be carried on the steamer and produced when called for by a Canal officer.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

Date.

Signature of Inspecting Officer.

N.B.—This certificate must be carried on the steamer and produced when called for by a Canal officer.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

The only alteration in this form is that the form shall be printed in duplicate as recommended by the S.R.S. —

Look or wharf where suspension should
take effect.

Place.
Date.

Signature of Canal Officer.

(The above form to be printed on green paper of $\frac{1}{2}$ foolscap size.)

Look or wharf where suspension should
take effect.

Place.
Date.

Signature of Canal Officer.

(The above form to be printed on green paper of $\frac{1}{2}$ foolscap size.)

Handwritten notes in cursive script, mostly illegible due to fading and bleed-through from the reverse side.

Handwritten notes in cursive script, mostly illegible due to fading and bleed-through from the reverse side.

unladen goods nor ship or land passengers.

Place.
Date.

Signature of Canal officer.

Alternatives These alterations to be printed one above the other, the Issuing officer running a pen through that which does not apply.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

unladen goods nor ship or land passengers.

Place.
Date.

Signature of Canal officer.

Alternatives These alterations to be printed one above the other, the Issuing officer running a pen through that which does not apply.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

This form is to take the place of similar permits which are now issued by the Engrs. Chingleput & vide his letter N^o 4730 Sd. Hay Q. d. 17. March 1899.

	Six weeks.
	RS. A. P.
than seven	0 0 3
f registered	0 1 0
...	...
than seven	0 1 0
f, of space	...
hall be issued at the following	...

places where six weeks' licenses and certificates of registration shall be issued.

- Dumagudiem lock.
- Dowlaishweram do.
- Bobberlanka do.
- Vijayawaram do.
- Ellore do.
- All tidal locks.
- Bezwada lock.
- Seetanagaram do.
- All tidal locks.
- All wharves.
- Madras boat basin.
- All tidal locks.
- All wharves.
- Negapatam.

be affixed to a no. ... rd in a

d at the following wh:

- Palakole.
- Bezwada.
- Pamarru.
- Chintaguntapalem bas.
- Ellore.
- Seetanagaram.
- Chebrole.
- Santaravur.
- Nandivelugu.
- Tenali.
- Tsandole.
- Vellatur.
- Romperu Lock.
- Ko'apatnam.
- Woolapolliem.
- Iekapalli.
- Myypaud.
- Muthukur.
- Madras boat basin town wharf.
- Elephant-gate.
- Madras elyan-wharf.
- Chintadripott.
- Barber's Bridge.
- Mylapore.
- Papanchavady.

To meet the proposal regarding demurrage instead of paying this demurrage would be optional for a boatowner to take out a fresh wharf ticket

at the places covered out no landing facilities have as yet been provided

Under proposed rules 26 + 29 these four wharves are included within the limits of the Madras town wharf -

No. 486 I., 13TH JUNE 1899.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.~~Irrigation.~~
~~Account.~~ *dy*

READ—the following paper:—

NAVIGATION RULES.

No. 121 I.

Note by the Chief Engineer for Irrigation.

The Navigation rules approved in Proceedings of the Madras Government, No. 319 I., dated 18th April 1898, have now been in operation for a year and some defects have come to notice which it is proposed to remedy. The chief subject to be dealt with has to do with the wharves which were declared in the notification published under section 6 of Madras Act II of 1890, and the wharfage and demurrage fees leviable on boats making use of these wharves.

2. In paragraph 3 of the notification referred to, wharfage and demurrage fees were declared to be leviable at 25 different places on the Kistna and Buckingham canals. The list was drafted on the recommendation of a committee appointed to deal with the Navigation rules in 1894 but at several of the places named, no facilities for the landing or shipping of goods had been provided, nor was there any establishment maintained for the regulation of traffic or the collection of fees. It was considered by the undersigned that the general principle which should govern the collection of wharfage fees at any particular places should be that such charges are intended to pay for the cost of providing wharves or other facilities at those places, and the Superintending Engineers were asked to report at which of the wharves which had been declared such facilities existed. In the first and second circles, no facilities have been provided at the following four places and it is accordingly proposed to omit them from the list of wharves:—

Palakole.
Ellore.Nandivelugu.
Isundole.

At the time that the notification was published, no facilities had been provided at Vellatur but as a wharf at this place is now under construction, Vellatur may be left on the list, the collection of fees being deferred until the wharf is completed.

3. On the Buckingham canal no facilities have been provided at Woolapoliem and Iskapilly and these two places may therefore also be omitted from the list.

4. The marginally-noted six places declared to be wharves on the Buckingham canal are all within the limits of the Madras Municipality. These are all long established landing places, although only the first three are regular wharves. It is necessary for the benefit of the public that indiscriminate landing and shipping of goods at different parts of the canal, and of the Cooum river in Madras, should not be permitted and that this should be confined to these six places, but the Wharf rules Nos. 25 to 32 as they stand are not applicable. After consulting the Superintending Engineers, these rules have been revised and a special set of local rules drafted for the management of these landing places to be all included in one wharf to be called the Madras town wharf. As proposed above the number of wharves will be reduced from 25 to 14, 8 of these being situated on the Kistna canal and the remainder on the Buckingham canal.

Madras Boat Basin.
Madras Elephant Gate.
Madras Trevelyan wharf.Chintadripett
Barbar's Bridge.
Mylapore.*025.3
4684/99*

5. The accompanying map shows the positions of the wharves in the Kistna canals from which it will be seen that they are comparatively close together. Under the present rules a boat landing any cargo or passengers at any of these places is liable to the payment of a fee of 1 anna a ton on the full registered tonnage of the boat, irrespective of the quantity of goods or number of passengers dealt with, and although the payment of this fee covers the use of the wharf at which it is paid for a period of seven days, the use of any other wharf within this period entails the payment of another fee. Prior to the publication of the Navigation Rules in April 1898, the only wharves that had been declared were on the Buckingham canal and, as these are not close together, no hardship was felt, but on the Kistna wharves being declared, the Superintending Engineer represented that owing to the closeness of the wharves to each other in the Kistna canals, a boat has sometimes to pay wharfage fees on its full registered tonnage several times on a journey of 41 miles. This it is represented is especially hard on the large Rahadari boats which run up to over 40 tons register. The Superintending Engineer proposed that boats should not pay fees at a wharf within 30 miles of one from which they had obtained a clearance ticket within 24 hours. The grievance appears to be a real one, and the simplest way that occurs to the undersigned to meet it is to make a wharf ticket cover the use of any number of the wharves during a period of seven days. In this way the large Rahadari boats touching at several wharves on a trip to land or take up a passenger or two will be relieved from the burden they now feel, and the cargo boats with full cargoes for a particular wharf, entailing a more prolonged stay at the wharf, will pay much the same as now. Under this system the actual receipts at each wharf may not represent the actual earnings or utility of the wharf and the wharf receipts and charges should be judged as a whole. The proposal is embodied in the accompanying amended rules and forms.

6. The Superintending Engineer, V Circle, brought to notice that the demurrage fee leviable under the rules where a boat stayed over seven days at a wharf was 1 anna per ton *per diem*, that is the same fee as covered the use of the wharf for the first seven days. It is now proposed to reduce the fee to 3 pies per ton *per diem*, making it optional to the boat owner to take out a fresh wharf ticket for another seven days. The practical effect of this would be that, on the expiry of a wharf ticket if a boat owner thought himself likely to remain at the wharf for more than four days, it would be better for him to take out a fresh wharf ticket, but if for less than four days he would pay his demurrage of 3 pies per ton *per diem*.

7. With his endorsement No. 220 K.W. of 21st July 1898, the Superintending Engineer, II Circle, submitted for orders the question whether wharf fees should be levied at the railway siding and wharf at Seetanagaram which is within one mile of the other Seetanagaram wharf. The Superintending Engineer was directed to ascertain and report the views of the Railway Company and of the Collector on behalf of the local public. The Superintending Engineer's reply is submitted to Government for orders. The Collector and the Superintending Engineer see no special reasons why wharfage fees should not be levied while the Agent of the Railway states that it will facilitate their business if wharfage fees are not levied. It is recommended that fees be levied at this wharf, the mode of collection being settled with the Railway Company.

8. The above are the more important alterations and amendments proposed. Besides these, as the rules must be reprinted, the opportunity has been taken of amending some of the forms and rules on suggestions of the Superintending Engineers as briefly described below:—

In rule 3 the words "Superintending and" are added before "Executive Engineers."

Provision is made for issuing six ^{weeks} ~~weeks~~ licenses on a different form from that used for annual licenses and for fresh forms being used when removing licenses found advisable by Executive officers.

Rule 49 has been added to at the suggestion of the Superintending Engineer, I Circle, to prevent locks being used as landing places and a new rule 50 added at the suggestion of the same officer.

His Excellency the Governor in Council
is pleased to notify

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9. The special rules for the regulation of traffic at the Madras Town wharf have been drafted in consultation with the Superintending Engineer, V Circle. They are to take the place of a set of rules published with G.O., No. 632 I., dated 17th July 1893, and are made applicable to the amended wharf rules now proposed.

OOTACAMUND,
30th May 1899.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

SPECIAL RULES FOR THE REGULATION OF TRAFFIC AT THE MADRAS TOWN WHARF.

The following special rules for the regulation of traffic in the Madras town wharf are framed under rule 28 of the Navigation Rules and under section 16 of the Canals and Ferries Act, No. II of 1890. These rules will be fixed to notice-boards in conspicuous places at the different landing places in addition to navigation rules Nos. 25 to 32 which relate to wharves and the notification relating to wharfage fees published under section 6 of Madras Act II of 1890.

25. *Wharves.*—A wharfage fee at the rate prescribed in the notification published under section 6 of the Act shall be paid by the owner of every vessel which loads or discharges cargo or ships or lands passengers at any of the wharves fixed under section 6 of the Act. The word "cargo" shall include empty bags, baskets, boxes, casks and other receptacles in which cargo is usually carried.

The wharf rules shall not apply to salt factories and salt channels already under the control of the Salt Department except the landing place at the salt depot at Madras. No private wharves or landing stages shall in future be constructed in connection with lines of navigation without the previous sanction of Government.

26. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras Town the wharf limits shall be taken to be the municipal boundary on the north and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any tow-path or on the canal side of any tow-path under any circumstance, nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

27. *Wharves which may be declared hereafter.*—Wharfage fees at the above rates shall also be levied at any wharf, which may hereafter be constructed, from the date on which it may be declared, by notification in the *Fort St. George Gazette* and in the *Gazette of the district* concerned, to be available for loading and unloading cargo and shipping and landing passengers.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

29. *Wharf tickets.*—Every person in charge of a vessel on which a wharfage fee is leviable shall, before making use of any of the wharves declared under section 6 of the Act, obtain from the wharf superintendent a wharf clearance ticket in Form F attached to these rules. This ticket will permit the holder to make use of any of the wharves for a period not exceeding seven days from the date of issue. In Madras town wharf tickets will be issued by the Superintendent of the Madras basin to vessels coming from the north and by the Superintendent of the Adyar south lock to vessels coming from the south. On the expiry of the ticket, the vessel must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage as provided in rule 30. In Madras town within the limits described in rule 26 empty vessels may also be permitted to lie up for a certain period and at a certain place, or to pass through the limits of the Madras town wharf, without payment of wharfage or demurrage fees on the issue of a special permit in Form J signed by a Canal officer, provided that, during the period covered by the permit, the vessel does not load or unload goods nor ship or land passengers, and such ticket shall be delivered up at the next wharf or licensing station the vessel may enter. Vessels shall leave wharves on the same day on which clearance tickets are delivered.

30. *Demurrage fee on vessels.*—In addition to the wharfage fee leviable thereon, on the expiry of a wharf ticket, it shall be optional to the owner of every vessel remaining which remains at a wharf for more than seven days reckoned from the date on which the vessel is placed in position to load or unload freely shall to pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act, instead of taking out a fresh wharf ticket. Provided that no demurrage fee shall be charged for any days during which the vessel is not allowed to lie at the wharf.

31. *Demurrage fee on goods.*—The consignee of goods landed at the wharf of discharge shall remove his goods from such wharf within seven days from the date on which such goods are landed; and if the said goods be not removed within such time, the consignee shall pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act. The said goods shall not be removed until the said fee is paid.

32. *Additional wharfage fee for test-weighing or test-measuring.*—The consignees of goods using the places reserved at wharves for test-weighing goods shall pay the additional wharfage fee prescribed for the test-weighing goods shall pay the notification published under section 6 of the Act, and shall not allow the goods to remain in the reserved places longer than necessary for taking such test-measurement or test-weighing.

WHARFAGE FEES.		Six weeks.		
		RS.	A.	P.
Every vessel discharges at any wharf per ton of registered tonnage to cover use of any wharf or wharves for seven days	...	0	1	0
For the places reserved at wharves for test-measuring weighing goods per boat per diem	...	1	0	0

DEMURRAGE FEES.				
		RS.	A.	P.
Vessels remaining at any of the wharves after the expiry of a wharf ticket per ton of registered tonnage for every day or portion thereof	...	0	0	3
Goods remaining at any of the wharves for more than seven days per 100 square feet, or portion thereof, of space occupied by the goods per day	...	0	1	0

Special Rules for the regulation of Traffic at the Madras Town Wharf.

I. The following are the landing places within the limits of the Madras town wharf referred to in Rule 26 of the Navigation Rules. The mileages are measured from St. Mary's Bridge:—

		Mileage, Feet
Madras Basin	From Basin Bridge	1—5—360
	to Railway Girder Bridge	2—1—32
Salt Cottaur and Trevelyan Basin	From Elephant Gate Bridge	0—7—114
	to Basin Bridge	1—5—360
Elephant Gate Wharf	From Railway iron Bridge.	0—6—421
	to Elephant Gate Bridge	0—7—114
Chintadripet Wharf	From Chintadripet Bridge.	...
	to Two furlongs west of bridge.	...
Barbers' Bridge	North of Barbers' Bridge	3—0—528
	to Bridge	3—1—198
Mylapur Bridge	From east of Mylapur	3—3—468
	to Mylapur Bridge	3—5—639

II. All boats stopping for the purpose of loading or unloading at the Madras basin or Elephant gate must moor along the wharf walls or as directed by the wharf superintendent.

III. At the Madras Basin the landing place for boats bringing firewood is the portion of the wharf opposite the wood depot, i.e., near the Basin bridge. Boats with heavy cargo, such as iron and stones, &c., shall load and unload at the granite steps instead of on the laterite steps which are apt to be damaged thereby.

IV. At the Madras Basin boats, conveying ordinary light cargo or food-grains, and also passenger boats, shall load and unload along the remaining portion of the wharf wall. A portion of the wharf is reserved for imports and a portion for exports. Private boats and budgerows shall be moored at the south end of the wharf wall, as it is near the main road where carriages can drive up.

V. The working hours of the day at the Madras Basin for loading and unloading cargo or shipping and landing passengers are limited to twelve hours, from 6 A.M. to 6 P.M.

VI. All boats which enter the limits of the Madras town wharf from the north shall be registered at the Ennore south lock and, on arrival at the Madras Basin, shall obtain a wharf ticket, form F, or pass in form J. Boats entering the limits of the Madras Town wharf from the south shall be registered and obtain wharf tickets or passes at the Adyar south lock. The refusal on the part of boatmen and boat-owners to furnish any information required will render them liable to the penalty laid down in Rule 28 of the Navigation Rules.

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NOTIFICATION.

I.—GENERAL.

Under the provisions of section 16, Madras Act II of 1890 (An Act to make better provision

for the establishment of Canals and Public Ferries in the Presidency of Madras and for the management thereof), His Excellency the Governor in Council is pleased to declare that, in supersession of the existing rules regarding navigation on canals, the following rules shall, on and after 15th May 1898, be in force on the lines * of navigation defined in the margin or which may hereafter, by notification, be brought under the provisions of the said Act.

2. *Exemption of Government canal vessels from paying license fees, &c.*—All Government vessels belonging to the Public Works Department shall be exempted from paying license or registration fees or tolls.

3. *Officers and their powers.*—The management of canals for navigation is vested in the Executive Engineers of the divisions of the Public Works Department in which the canals are situated, subject to the supervision of the Superintending Engineer of the circle concerned and the control of the Chief Engineer for Irrigation. Superintending and Executive Engineers are, in respect to the canals in their charge, authorized to exercise the powers described in section 7 of the Act and to delegate, in writing, all or any of those powers to any officer or subordinate working under them. These officers or subordinates are referred to in these rules as "Canal officers."

II.—LICENSES.

4. *Vessels to be licensed.*—All vessels using any of the artificial canals shall be licensed except those registered under rule 19 or exempted under rule 2 or rule 24.

5. *Conditions and rates of fees.*—On application by the owner of a vessel or his agent, either in person or by letter, for permission to navigate any particular line or connected lines of navigation, and on payment of the fees prescribed in the notification published under section 6 of the Act, the Executive Engineer of the division concerned, or any other Canal officer duly authorized by him, shall grant a license for such navigation in Forms A or K attached to these rules either for one year or for six weeks as the owner of the vessel or his agent may elect, subject to a condition that claims for compensation in consequence of the closure of all or any of the canals for repairs, insufficiency of water or any other impediment to navigation shall not be recognized. The applicant shall furnish all the information necessary for the due filling in of the license. Boats which have not been previously licensed must be taken to a licensing station where annual licenses are issued for measurement.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed the officer who granted the license may, upon the application of the original owner and the transferee, alter the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.

8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion. Such renewals shall be endorsed upon the license.

10. *Conversion of a six weeks' license.*—If a license granted for six weeks has not been renewed more than once, it may be converted into a license for the year in which it was issued upon receipt of the difference of fee payable for a six weeks' license and for a license for one year.

11. *Gross tonnage.*—The gross tonnage of a vessel shall be ascertained by multiplying its length, breadth and depth in feet and inches and dividing the product by fifty. The length shall be measured at half the midship depth in a straight line from the inside of the outerplanking at the side of the stem to the inside of the outerplanking at the side of the stern post and shall be hereinafter called the length for tonnage. The breadth for tonnage shall be one-sixth of the sum of five widths taken at equal distances along and right angles to the above length for tonnage measured from the rib on one side to the planking on the other side. If the vessel has a fixed internal planking or "ceiling," the said five widths shall be measured from the inner side of such ceiling on one side to the inner side thereof on the other side.

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The depth of all vessels shall be measured in a vertical line at the centre of the length for tonnage. If a vessel is decked, the measurement for depth shall be from the under side of the deck planking or, in case of a break, below a line stretched in continuation of such deck planking. If the vessel is an open one or a "Rahadari" (transit) boat the measurement for depth shall be from an athwartship line extended from the upper edge of the upper strake on both sides of the vessel. If the vessel has a fixed ceiling (inner planking) the measurement for depth shall be to the inner side of such ceiling. If a vessel has no fixed ceiling the measurement for depth shall be to the inner side of the outer bottom plank.

12. *What to be deemed the tonnage of a vessel.*—Whenever the tonnage of any vessel has been ascertained, the same shall henceforth be deemed to be the tonnage thereof, unless any alteration is made in the form or capacity of such vessel or unless it is discovered that the tonnage thereof has been erroneously computed; and in either of such cases, such vessel shall be remeasured and her tonnage determined according to the rule hereinbefore contained in that behalf.

13. *Registered tonnage.*—The net or registered tonnage upon which fees are leviable shall be the gross tonnage less one-third for steamers and less fifteen per cent. for other vessels. Any fraction of a ton above half shall be taken as one ton and other fractions shall be rejected.

14. *Enlarged or altered vessels.*—A vessel that has been enlarged or so structurally altered as to affect the conditions upon which the license was obtained shall not ply until it has been remeasured and a fresh license has been obtained. Such remeasurement and application for a new license shall be made at the station at which the original license was obtained. The applicant for such fresh license shall deliver up the old license to the licensing officer, and pay the difference between the fee paid by him and the fee leviable upon the new registered tonnage.

15. *Number of passengers licensed to carry.*—No vessel licensed to carry passengers shall carry a greater number of passengers than in the proportion of one adult or two children for every $7\frac{1}{2}$ square feet of covered space, which shall be calculated by multiplying the length in feet over all covered space, by the mean of the three widths taken at equal distances. The Executive Engineer of the division, or any other Canal officer duly authorized by him, may, during festivals, on application by the owner of any vessel or his agent, increase temporarily the limit of the number of passengers to be carried, so long as the safety of the public is not endangered thereby.

16. *Licenses for passenger boats.*—Licenses for passenger boats shall be either "first class" or "second class." The holder of a "first class" license may carry passengers of such caste or castes as he pleases. The holder of a "second class" license shall carry all passengers without distinction of caste.

17. *Provision in case of loss of license.*—If the original license be lost, a duplicate shall be issued by the officer who granted the license on payment of the fee prescribed in the notification published under section 6 of the Act. If the loss occurred during the absence of the vessel from the station at which it was licensed, the loss shall be reported to the nearest Canal officer who shall thereupon issue a pass in Form B attached to these rules. Such pass should hold good until the arrival of the vessel at the station at which the license was issued. Immediately upon such arrival, the owner or his agent shall deliver up the said pass and pay the prescribed fee for a duplicate license.

18. *Rafts.*—The owners or persons in charge of rafts using any of the canals shall pay the fees prescribed in the notification published under section 6 of the Act and take out licenses in Form C attached to these rules, and these licenses shall be in force for six weeks from the date of issue.

III.—REGISTRATION.

19. *Registration of vessels.*—Vessels intended for the personal use of the owners and not employed in carrying goods, animals or passengers for purposes of trade nor used for towing vessels carrying goods, animals or passengers for purposes of trade shall be registered. Certificates of registration shall, on payment of the fees prescribed in the notification published under section 6 of the Act, be issued in Form D attached to these rules and shall be for a period of either one year or six weeks as the owner of the vessel may elect. The certificates shall entitle the holders to use the lines of navigation therein mentioned and no other. The Executive Engineer of the division in which the port of registry of any vessel is situated, or any Canal officer duly authorized by him in that behalf, shall determine to which class of boats hereinbefore mentioned such vessel belongs. Vessels registered under this rule shall be subject to the same rules and regulations as those for which licenses are taken out so far as they are applicable.

20. *Place of Registration.*—A vessel may be registered at any one of the licensing stations. The station at which a vessel is registered shall be its port of registry or the port to which she belongs.

21. *Registering officer and register.*—The Executive Engineer of the division in which the port of registry of a vessel is situate or any Canal officer duly authorized by him in that behalf shall be responsible that the certificate of registration and its counterpart are duly filled in and that the counterpart is carefully preserved and altered when required so as to correspond to the certificate to which it refers.

22. *Transfer of ownership and register.*—When the ownership of a vessel registered for one year is transferred during such period, the registration and certificate shall be altered at the request of the original owner and the transferee, by the substitution of the name of the latter for that of the former.

23. *Procedure when certificate is lost.*—If a certificate of registration is lost, the registering officer at the port of registry shall grant a duplicate of such certificate upon the receipt of the fees prescribed in the notification published under section 6 of the Act.

24. *Exemption from payment of fees for registration.*—No fee shall be levied for the registration of boats used solely for fishing on the Buckingham canal; nor on sea-going boats and boats carrying firewood on the Masulipatam canal, in the Kistna delta between the Tidal lock and the Petta basin and in the Gódvári river; but all such boats shall be registered and certificates of registration in Form E attached to these rules shall be issued for them. Ferry vessels belonging to a District Board proceeding to their destination and not plying for traffic shall be allowed to pass through the canals free of charge on written permit from the Executive Engineer.

IV.—WHARVES.

25. *Wharves.*—A wharfage fee at the rate prescribed in the notification published under section 6 of the Act shall be paid by the owner of every vessel which loads or discharges cargo or ships or lands passengers at any of the wharves fixed under section 6 of the Act. The word "cargo" shall include empty bags, baskets, boxes, casks and other receptacles in which cargo is usually carried.

The wharf rules shall not apply to salt factories and salt channels already under the control of the Salt Department except the landing place at the salt depot at Madras. No private wharves or landing stages shall in future be constructed in connection with lines of navigation without the previous sanction of Government.

26. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundary on the north and Adyar south lock on the south and shall include the whole of the Cooum river up to Harris bridge. Within these limits no vessel shall load or unload at any places other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any tow path or on the canal side of any tow path under any circumstance nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

27. *Wharves which may be declared hereafter.*—Wharfage fees at the above rates shall also be levied at any wharf, which may hereafter be constructed, from the date on which it may be declared, by notification in the *Port St. George Gazette* and in the *Gazette* of the district concerned, to be available for loading and unloading cargo and shipping and landing passengers.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

29. *Wharf clearance tickets.*—Every person in charge of a vessel on which a wharfage fee is leviable shall, before making use of any of the wharves declared under section 6 of the Act, obtain from the wharf superintendent a wharf clearance ticket in Form F attached to these rules. This ticket will permit the holder to make use of any of the wharves for a period not exceeding seven days from the date of issue. In Madras town wharf tickets will be issued by the Superintendent of the Madras basin to vessels coming from the north and by the Superintendent of the Adyar south lock to vessels coming from the south. On the expiry of the ticket, the vessel must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage as provided in rule 30. In Madras town within the limits described in rule 26 empty vessels may also be permitted to lie up for a certain period and at a certain place, or to pass through the limits of the Madras town wharf, without payment of wharfage or demurrage fees on the issue of a special permit in Form J signed by a Canal officer, provided that, during the period covered by the permit, the vessel does not load or unload goods nor ship or land passengers, and such ticket shall be delivered up at the next wharf or landing station the vessel may enter. Vessels shall leave wharves on the same day on which clearance tickets are delivered.

30. *Demurrage fee on vessels.*—In addition to the wharfage fee leviable thereon, on the expiry of a wharf ticket it shall be optional to the owner of every vessel remaining which remains at a wharf for more than seven days reckoned from the date on which the vessel is placed in position to load or unload freely shall to pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act, instead of taking out a fresh wharf ticket. Provided that no demurrage fee shall be charged for any days during which the vessel is not allowed to lie at the wharf.

31. *Demurrage fee on goods.*—The consignee of goods landed at the wharf of discharge shall remove his goods from such wharf within seven days from the date on which such goods are landed; and if the said goods be not removed within such time, the consignee shall pay a demurrage fee at the rate prescribed in the notification published under section 6 of the Act. The said goods shall not be removed until the said fee is paid.

32. *Additional wharfage fee for test-measuring or test-measurement.*—Consignees of goods using the places reserved at wharves for test measuring or test-weighting goods shall pay the additional wharfage fee prescribed for the purpose in the notification published under section 6 of the Act, and shall not allow the goods to remain at the reserved places longer than necessary for taking such test measurement or test weight.

V.—NAVIGATION RULES.

33. *Dimensions of vessels and rafts.*—No vessel exceeding 90 feet in length and 13 feet in width shall navigate the canals, except those built before the 31st December 1880 for which a special license may be granted by the Canal officer.

In the portion of the Buckingham canal known as the Junction canal in the town of Madras and south of it, the fixed fittings of vessels, such as the roofs of boats, steps of masts, funnel sockets, &c., and cargo piled on vessels shall not be higher than 6½ feet above water level, and piled cargo or roofs or fixed fittings shall not exceed 12 feet in width.

No raft exceeding 90 feet in length, 12 feet in breadth, or drawing more than 2 feet of water, shall be allowed on any of the canals. Nothing shall be allowed to project beyond the side of any vessel or raft.

34. *Free board.*—No vessel carrying cargo shall be navigated in the canals unless it has a free board of at least 9 inches; and no vessel carrying passengers shall be so navigated unless it has a free board of at least 12 inches. The free board shall be measured from the water's edge to the top of the gunwale when the vessel has no deck and to the upper side of the plank of the deck when the vessel has a deck.

35. *Passenger boats may carry cargo on certain conditions.*—A boat licensed to carry passengers may also carry cargo, every 10 cubic feet of cargo being considered as equivalent to one passenger; but the total of the number of passengers so calculated and the passengers actually carried shall not exceed the number of passengers which the boat is licensed to carry. No such vessel shall carry cargo on the roof or side of the vessel, nor any cargo such as fish, manure, bones, skins or other articles which, in the opinion of the Canal officer, is offensive or dangerous.

36. *Care and management of vessels.*—No vessel shall be navigated without one person at least, on board, competent to steer and manage her and acquainted with the rules regulating the navigation of the canals. No vessel shall lie or be left without a person on board capable of taking care of her.

37. *Lights.*—Vessels using any of the canals shall between sunset and sunrise exhibit the following lights:—

Vessels.	When moving.	When moored.
Steamers	One clear white light on the upper deck. One bull's eye bright red light 8" diameter on the port or left side. One bull's eye bright green light 8" diameter on the star board or right side.	One clear white light at not less than 4 feet above the water level and so placed that it shall be visible fore and aft.
All vessels not propelled by steam.	One clear white light at the fore end fixed not less than 4 feet above the water level. One clear white light in the general cabin or inside.	Do. do.
Rafts	One clear white light at each end.	One clear white light at each outer corner.

The two bull's eye lights shall be so placed and fitted that both may be visible only from a point directly ahead of the vessel and so as not to be obscured by any of the fittings, cargo or passengers. Subject to these provisions, the lights may be placed in the front or on the top of the cabin, at the sides of the vessel near the bow or on supports specially provided for the purpose.

38. *Speed of steamers.*—No steamer shall travel at a greater speed than 4 miles per hour and, between sunset and sunrise, the speed shall not exceed 3 miles per hour. Steamers shall reduce their speed to 3 miles an hour when they come within half a mile of a lock and shall then whistle to give notice of their approach to the lock establishment. Steamers shall be warped or poled into and out of locks and shall not use their propellers or paddle wheels until quite clear of the locks. Every steamer shall be furnished with an efficient steam whistle. Steamers shall reduce their speed to 3 miles an hour during the day and to 2 miles an hour between sunset and sunrise when passing round a bend in any canal and shall whistle when approaching such bend. Every vessel under steam shall stop and reverse whenever necessary. Steamers shall whistle when within 100 yards of any boat and reduce speed to 3 miles an hour.

39. *The passing of vessels.*—When two vessels meet on the Gódávári or Kistna canals, the vessel going with the current shall keep out of the way of the other vessel. In other canals, vessels going north shall keep out of the way of those going south. Vessels under sail shall keep out of the way of vessels which are being towed, and vessels under steam shall keep out of the way of all other vessels.

Every vessel overtaking another vessel shall keep out of the way of the vessel which is being overtaken. Where by these rules one of two vessels is required to keep out of the way the other shall keep her course. Every vessel under steam when passing a vessel which is being towed from the towing path on the offside thereof and every vessel not under steam, shall take the towing path side when meeting, or passing, or approaching to, or being overtaken by a vessel under steam. The steam whistle of every vessel under steam shall be sounded when such vessel is about to round and is rounding any turnings in the navigation as well as when such vessel is meeting, approaching, or overtaking any vessel.

40. *Sails when to be lowered.*—All vessels under sail shall lower their sails when passing through a masonry aqueduct, lock or flood-gate.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

43. *Production of license and stoppage of vessels.*—When required so to do by a Canal officer, every person in charge of a vessel shall stop the vessel and produce the license or certificate of registration as the case may be. Persons in charge of vessels carrying passengers or cargo or both and of vessels propelled by steam, shall assist Canal officers in their inspections and shall make a true statement of the number of passengers and the nature of the cargo on board.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

- fifteen days for a first offence,
- thirty days for a second offence in the same year,
- sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

45. *Pass for vessels under suspension to proceed to their destination.*—When the license for a vessel carrying cargo or passengers or both is suspended, the officer by whom the license is suspended shall grant a pass in Form H attached to these rules permitting the vessel to proceed to its destination for the purpose of landing cargo and passengers or to a place where she can be repaired. Such passes shall be in duplicate of which one part shall be retained in the issuing office and the other part shall be delivered to the person in charge of the vessel. The fact and period of suspension shall be recorded by the Canal officer upon the license and upon the counterpart, but if the counterpart is not in his possession, he shall communicate the fact of suspension to the officer who issued the license. In the case of the suspension of a license because of the defective state of a vessel's hull, machinery or gear, the suspension shall continue until the owner obtains a certificate from an inspecting officer that the necessary repairs have been effected and that the vessel is again safe, sound and fit for the navigation of the canals. Such certificate shall be endorsed on the license immediately under the order of suspension which shall thereupon cease to have any effect. The order of suspension shall declare that it shall be in force unless and until such certificate is obtained. A copy of such certificate shall be served upon, and be filed by, the officer who suspended the license.

46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall have the following figures and marks painted conspicuously on their vessels before using them on any of the canals and shall be responsible that those marks and figures are not defaced or obliterated:—

- (1) The number of the license or certificate of registration and the initial or initials of the name or names of the canals which a vessel is licensed to navigate shall be painted on each bow.

- (2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.
- (3) The number of passengers, which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter P prefixed.
- (4) The load line for a length of 3 feet amidships, on both sides.

The said numerals and letters shall be in English and shall be painted in black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Mooring of vessels.*—No vessel shall moor, load or unload cargo, or ship or land passengers within the limits prohibited by notice-boards at any lock or masonry work other than the quays or wharves specially provided for the purpose. No vessel shall moor on the tow path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

50. *Interference with locks.*—No person unless duly authorised shall interfere with the locks or any part of their machinery.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

52. *Sea-going vessels.*—Sea-going vessels brought into rivers and backwaters for any purpose other than to ply for hire shall anchor or lay up outside the air way of the canal traffic in such place and manner as the Canal officer shall direct.

9-12

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal officer ordering suspension.
From	To				

Record of suspension of license.

FORM A. (Vide Rule 5.)

Annual license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canal according to the rules passed under Act II of 1890 :—

Number of license.
Owner's name.
Do. residence.
Description of vessel.
Place where vessel was built.
Year in which vessel was built.
Extreme dimensions. { Length, feet.
Breadth, feet.
Measurement for { Length, feet.
Breadth, feet.
tonnage. { Breadth, feet.
Depth, feet.
Contents, cubic feet.
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry Period of license.
Amount of license fee paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

1. Ten cubic feet of cargo is equivalent to one passenger.
2. Vide rules printed on the next page.

(The above form to be printed in duplicate on white paper of foolscap size.)

FORM A. (Vide Rule 5.)

Annual license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canal according to the rules passed under Act II of 1890 :—

Number of license.
Owner's name.
Do. residence.
Description of vessel.
Place where vessel was built.
Year in which vessel was built.
Extreme dimensions. { Length, feet.
Breadth, feet.
Measurement for { Length, feet.
Breadth, feet.
tonnage. { Breadth, feet.
Depth, feet.
Contents, cubic feet.
Gross tonnage.
Deduction.
Registered tonnage.
Date of expiry Period of license.
Amount of license fee paid, Rs.
Number of passengers licensed to carry.
Class of license, 1st or 2nd class.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

1. Ten cubic feet of cargo is equivalent to one passenger.
2. Vide rules printed on the next page.

(The above form to be printed in duplicate on white paper of foolscap size.)

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of Canal officer ordering suspension.
From	To				

Record of suspension of license.

REVERSE OF FORM A.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is the counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.
7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed, the officer who granted the license may, upon the application of the original owner and the transferee, ~~after~~ the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.
8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.
38. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.
41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.
42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspections shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.
44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—
fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.
48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.
51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

REVERSE OF FORM A.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is the counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.
7. *Transfer of license for one year.*—If the ownership of a vessel licensed for one year is changed during the year for which the vessel is licensed, the officer who granted the license may, upon the application of the original owner and the transferee, ~~after~~ the license by substituting the name of the latter for that of the former. But a license granted for one vessel shall not be transferred to another vessel.
8. *Licenses for one year.*—Every license for one year shall remain in force until the 31st March following the date of issue, unless it is cancelled or suspended as hereinafter provided.
38. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.
41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.
42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.
44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—
fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.
48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.
51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

FORM B. (Vide Rule 17.)

Pass for vessel for which the license has been lost.

This pass is granted to permit the vessel noted below to navigate the canal without license, as it is reported that the license has been lost. The fee prescribed for issuing duplicate license has been paid :—

Number of vessel.
Description of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Fees paid, Rs.
Date of Issue.
Place of Issue.

Signature of Issuing Officer.

(The above form to be printed on green paper of 1/2 foolscap size.)

FORM B. (Vide Rule 17.)

Pass for vessel for which the license has been lost.

This pass is granted to permit the vessel noted below to navigate the canal without license, as it is reported that the license has been lost. The fee prescribed for issuing duplicate license has been paid :—

Number of vessel.
Description of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Fees paid, Rs.
Date of Issue.
Place of Issue.

Signature of Issuing Officer.

(The above form to be printed on green paper of 1/2 foolscap size.)

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

thirty days for a first offence,
thirty days for a second offence in the same year,
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

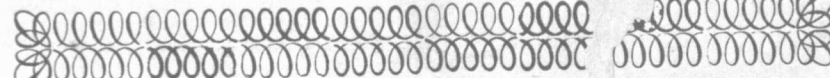
46. *Punishment of owners of rafts.*—Owners of rafts shall, in lieu of suspension, be punished by a fine of two rupees for each offence, until payment of which the raft shall not proceed. If the fine is not paid within ten days, the Canal officer concerned is empowered to cause the raft to be removed from the canal.

47. *Marks and figures to be painted on vessels.*—The owners of vessels other than rafts shall have the following figures and marks painted conspicuously on their vessels before using them on any of the canals and shall be responsible that those marks and figures are not defaced or obliterated :—

- (1) The number of the license or certificate of registration and the initial or initials of the name or names of the canals which a vessel is licensed to navigate shall be painted on each bow.
- (2) The tonnage of the vessel shall be similarly painted on each side of the sternpost above the load line.
- (3) The number of passengers which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter 'P' prefixed.

The load line for a length of 3 feet amidships, on both sides, shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.



28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

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thirty days for a first offence,
thirty days for a second offence in the same year,
and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

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- (3) The number of passengers which the vessel is licensed to carry, on the stern of each such vessel or on the after-part of the cabin with the letter 'P' prefixed.

The load line for a length of 3 feet amidships, on both sides, shall be painted in white on a black ground or black on a white ground. Each numeral or letter shall be not less than 4 inches in length and of proportionate breadth.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering the suspension.
From	To				

Record of suspension of the Certificate of Registration.

FORM D. (Vide Rule 19.)

Certificate of Registration for vessels intended for personal use of the owners.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal, but not to carry goods, animals or passengers for purposes of trade :—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built.
Amount of fee paid, Rs.
Period of Registration.
Date of expiration of the period of registration.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This certificate is to be shown on renewal.

(The above form to be printed on paper of $\frac{1}{2}$ foolscap size—annual certificates on white paper and six-week certificates on yellow paper.)

FORM D. (Vide Rule 19.)

Certificate of Registration for vessels intended for personal use of the owners.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal, but not to carry goods, animals or passengers for purposes of trade :—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built.
Amount of fee paid, Rs.
Period of registration.
Date of expiration of the period of registration.

Place of Issue.
Date of Issue.

Signature of Issuing Officer.

N.B.—This certificate is to be shown on renewal.

(The above form to be printed on paper of $\frac{1}{2}$ foolscap size—annual certificates on white paper and six-week certificates on yellow paper.)

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering the suspension.
From	To				

Record of suspension of the Certificate of Registration.

No. 486 I., 13TH JUNE 1899.

23. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

41. *Inspection of vessels other than steamers.*—The Canal officer in charge of a licensing station shall, from time to time, inspect all licensed vessels at such station to see if they are maintained in a proper state of repair and cleanliness and if their gear is in good condition, and may suspend the licenses if the vessels are out of repair or unsafe or otherwise unfit for public use or for the carriage of goods as the case may be. So long as a license is suspended, the vessel to which it relates shall not ply on any of the canals.

42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

49. *Moorings of vessels.*—No vessels shall moor, load or unload cargo or ship or land passengers within the limits prohibited by notice-boards at any lock or masonry work other than the quays and wharves specially provided for the purpose. No vessel shall moor on the tow-path side, if there be only one such path, or on the windward side of a canal, if there be two such paths, except when actually loading or unloading. Vessels when moored shall strike or lower masts and shall be made fast stem and stern to the bank in a single line. Rafts when moored shall be securely fastened at both ends to the canal bank and so as not to obstruct navigation.

51. *Place and time of repairs of vessels.*—No vessel shall be repaired in any canal without the written permission of the Canal officer. The repairs shall be made at the place and during the time named in the written permission, and at no other place or time. The owner of the vessel shall remove from the canal all surplus materials used for such repairs within fifteen days after the repairs are completed. In the event of his failing to do so, such materials shall be removed by the Canal officer at the expense of the owner of the vessel and the license may be suspended until payment is made.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf, and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

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thirty days for a second offence in the same year,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received, or has already in his possession, a copy of the navigation rules and regulations.

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17-20

FORM E. (Vide Rule 24.)

Certificate of Registration for vessels free of charge.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal without payment of any fee, but not to carry any goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built
Canals to be used.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

(The above form to be printed on red paper of ½ foolscap size.)

FORM E. (Vide Rule 24.)

Certificate of Registration for vessels free of charge.

The vessel noted below is registered in accordance with the rules passed under Act II of 1890 to use the canal without payment of any fee, but not to carry any goods, animals or passengers for purposes of trade:—

Number.
Name of owner.
Residence of owner.
Description of vessel.
Vessel built at
Year in which vessel was built.
Canals to be used.
Place of Issue.
Date of Issue.

Signature of Issuing Officer.

(The above form to be printed on red paper of ½ foolscap size.)

No. 486 I., 13TH JUNE 1899.

21-22

21

6

FORM F. (Vide Rule 29.)

Original. No.

WHARF CLEARANCE TICKET.

Station. Boat No. Description of Cargo. Amount of wharfage } fees received. Date. Date of Issue. Date of Expiry.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—vide rules 29 and 30.

(The above form to be printed on white paper of 1/2 foolscap size.)

FORM F. (Vide Rule 29.)

Duplicate. No.

WHARF CLEARANCE TICKET.

Station. Boat No. Description of Cargo. Amount of wharfage } fees received. Date. Date of Issue. Date of Expiry.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—vide rules 29 and 30.

(The above form to be printed on white paper of 1/2 foolscap size.)

FORM F. (Vide Rule 29.)

Triplicate. No.

WHARF CLEARANCE TICKET.

Station. Boat No. Description of Cargo. Amount of wharfage } fees received. Date. Date of Issue. Date of Expiry.

Wharf Clerk.

N.B.—This ticket authorises the holder to make use of any of the wharves on the canals declared under section 6 of the Act for a period of seven days from the date of issue. On the expiry of this ticket, the holder must either (a) leave the wharf limits, (b) take out a fresh ticket or (c) pay demurrage—vide rules 29 and 30.

(The above form to be printed on white paper of 1/2 foolscap size.)

No. 486 I., 13TH JUNE 1899.

23 & 24

FORM G. (Vide Rule 42.)

Inspection Certificate.

The steam vessel bearing No. _____ of _____ has been inspected in accordance with paragraph 42 of the rules passed under Act II of 1890 and is passed for navigation on _____ canal for a period of six months from this date subject to the conditions noted below :—

Station.

Date.

Signature of Inspecting Officer.

N.B.—This certificate must be carried on the steamer and produced when called for by a Canal officer.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

FORM G. (Vide Rule 42.)

Inspection Certificate.

The steam vessel bearing No. _____ of _____ has been inspected in accordance with paragraph 42 of the rules passed under Act II of 1890 and is passed for navigation on _____ canal for a period of six months from this date subject to the conditions noted below :—

Station.

Date.

Signature of Inspecting Officer.

N.B.—This certificate must be carried on the steamer and produced when called for by a Canal officer.

(The above form to be printed on white paper of $\frac{1}{2}$ foolscap size.)

No. 486 I., 13TH JUNE 1899.

25-4 26

25-

FORM H. (Vide Rule 45.)

Pass for vessels, the licenses of which are suspended, to proceed to their destination or place of repair.

This pass is granted to permit the vessel noted below to proceed to its destination or place of repair, its license having been suspended:—

Number of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Period of suspension.
Number of rule infringed.
Place of destination.
Lock or wharf where suspension should take effect.

Place.
Date.

Signature of Canal Officer.

(The above form to be printed on green paper of 1/2 foolscap size.)

above

FORM H. (Vide Rule 45.)

Pass for vessels, the licenses of which are suspended, to proceed to their destination or place of repair.

This pass is granted to permit the vessel noted below to proceed to its destination or place of repair, its license having been suspended:—

Number of vessel.
Place and date of license.
Name of owner.
Residence of owner.
Period of suspension.
Number of rule infringed.
Place of destination.
Lock or wharf where suspension should take effect.

Place.
Date.

Signature of Canal Officer.

(The above form to be printed on green paper of 1/2 foolscap size.)

21-28

FORM J. (Vide Rule 29.)

Pass to permit a vessel to lie within or to pass through the limits of the Madras Town wharf without payment of wharfage or demurrage fees.

Number of vessel.

Name of owner.

Residence of owner.

Name of place at which vessel may lie.

Date of expiry of permit.

This vessel is permitted to pass through the limits of the Madras Town wharf from this date until the date of expiry free of wharfage or demurrage charges, provided that during the period covered by the permit the vessel does not load or unload goods nor ship or land passengers.

Place.

Date.

Signature of Canal Officer.

(The above form to be printed on white paper of 1/2 foolscap size.)

FORM J. (Vide Rule 29.)

Pass to permit a vessel to lie within or to pass through the limits of the Madras Town wharf without payment of wharfage or demurrage fees.

Number of vessel.

Name of owner.

Residence of owner.

Name of place at which vessel may lie.

Date of expiry of permit.

This vessel is permitted to pass through the limits of the Madras Town wharf from this date until the date of expiry free of wharfage or demurrage charges, provided that during the period covered by the permit the vessel does not load or unload goods nor ship or land passengers.

Place.

Date.

Signature of Canal Officer.

(The above form to be printed on white paper of 1/2 foolscap size.)

No. 486 I., 13TH JUNE 1899.

Record of suspension of license.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering suspension.
From	To				

FORM K. (Vide Rule 5.)

Triplicate.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890 :—

Number of license.

Whether first or renewed license.

Number of renewal.

Owner's name.

Owner's residence.

Description of vessel.

Place where vessel was built.

Extreme dimensions .. { Length, feet
Breadth, feet
Depth, feet

Measurement for tonnage. { Length, feet
Breadth, feet
Depth, feet

Contents Cubic feet

Gross tonnage.

Deduction.

Registered tonnage.

Date of expiry of license.

Amount of license fees paid, Rs.

Number of passengers licensed to carry.

Class of license, 1st or 2nd class.

Place of Issue.

Date of Issue.

Signature of Issuing Officer.

N.B.—This license to be shown on renewal. Ten cubic feet of cargo is equivalent to one passenger. The period of this license includes the days of grant and of expiry—Vide rules printed on the reverse.

(This form to be printed on yellow paper of foolscap size.)

FORM K. (Vide Rule 5.)

Duplicate.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890 :—

Number of license.

Whether first or renewed license.

Number of renewal.

Owner's name.

Owner's residence.

Description of vessel.

Place where vessel was built.

Extreme dimensions .. { Length, feet
Breadth, feet
Depth, feet

Measurement for tonnage. { Length, feet
Breadth, feet
Depth, feet

Contents Cubic feet

Gross tonnage.

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Registered tonnage.

Date of expiry of license.

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Class of license, 1st or 2nd class.

Place of Issue.

Date of Issue.

Signature of Issuing Officer.

N.B.—This license to be shown on renewal. Ten cubic feet of cargo is equivalent to one passenger. The period of this license includes the days of grant and of expiry—Vide rules printed on the reverse.

(This form to be printed on yellow paper of foolscap size.)

Record of suspension of license.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of Canal Officer ordering suspension.
From	To				

FORM K. (Vide Rule 5.)

Original.

Six weeks' license for vessels other than rafts.

This license is granted to permit the vessel noted below to navigate the canals according to the rules passed under Act II of 1890 :—

Number of license.

Whether first or renewed license.

Number of renewal.

Owner's name.

Owner's residence.

Description of vessel.

Place where vessel was built.

Extreme dimensions .. { Length, feet
Breadth, feet
Depth, feet

Measurement for tonnage. { Length, feet
Breadth, feet
Depth, feet

Contents Cubic feet

Gross tonnage.

Deduction.

Registered tonnage.

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Date of Issue.

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(This form to be printed on yellow paper of foolscap size.)

Record of suspension of license.

Period of suspension.		Cause of suspension.	Place.	Date.	Signature of the Canal Officer ordering suspension.
From	To				

Original.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

26. *Wharf limits.*—No vessel shall load or unload on any part of a canal or channel within one mile on either side of a wharf, except by special permission in writing of the officer in charge of the division and on payment of the prescribed wharfage fees. In Madras town the wharf limits shall be taken to be the municipal boundary, and the whole of the Coom river up to Harris bridge. Within these limits no vessel shall load or unload at any place, other than those described as landing places in the local wharf rules for the regulation of traffic published under rule 28 except with the permission of the Canal officer and payment of fees as aforesaid. Goods shall not be stacked on any towpath or on the canal side of any towpath under any circumstances nor shall they be stacked on canal lands without special permission in writing from the Canal officer.

28. *Regulation of traffic at wharves.*—The regulation of traffic at wharves shall be according to the rules framed in that behalf and approved by Government. Such rules shall be fixed to a notice-board in a conspicuous place at each end of the wharf and any infringement thereof shall be punished by suspension of the license of the vessel contravening the rule or rules for a period not exceeding three months.

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42. *Inspection of steamers.*—All steamers shall be inspected by the Canal officer before they are licensed and once every six months thereafter to see that the vessels and their machinery are in good working order, that the boilers are provided with proper gauges and are safe and that the vessels are in charge of a competent crew. Certificates of inspection shall be issued in Form G appended to these rules. In the event of such deterioration of machinery and boilers as may, in the opinion of the inspecting officer, cause danger, the license of the vessel shall be cancelled or suspended.

44. *Limit of Canal officers' powers.*—A Canal officer may, on account of the infringement of any provisions of the Act or any of the rules and regulations passed under it, suspend the annual license of a vessel for not more than—

fifteen days for a first offence,
thirty days for a second offence,
sixty days for a third offence in the same year;

and for the unexpired portion of the license for a fourth offence in the same year. He may suspend the six weeks' license for not more than fifteen days for a first offence and for the unexpired portion of the license for a second offence in the same year.

48. *Circulation of rules.*—A copy of the navigation rules and regulations in English or in the vernacular shall, at the time of registration or taking out a license for every vessel other than a raft, be given to the owner or person in charge thereof, if he has not already got one, and his signature taken in the register of licenses in token that he has received or has already in his possession, a copy of the navigation rules and regulations.

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Duplicate.

6. *Counterpart of licenses.*—Every Canal officer empowered to grant licenses shall retain the counterpart of every license granted by him and shall be responsible that it corresponds to the license of which it is a counterpart. When an alteration is made in the license, a corresponding alteration shall be made in the counterpart thereof.

9. *Renewal of six weeks' licenses.*—A license granted for six weeks may be renewed from time to time for further periods of six weeks by the issue of a new license on each occasion.

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Under section 6 of Madras Act II of 1890 (An Act to make better provision for the establishment of canals and public Ferries in the Presidency of Madras and for the management thereof), His Excellency the Governor in Council is pleased to declare that in supersession of the existing rates of fees, the following rates of fees for the licensing or registration of vessels for wharfage or demurrage on vessels or goods detained within the limits of the wharves shall, on and after 15th May 1899, be in force on

the lines of navigation defined in the margin:—

FEES FOR LICENSING.

For the three lines of Navigation, the Gôdâvari, Kistna and Buckingham Canals.

	Annual.			Six weeks.		
	RS.	A.	P.	RS.	A.	P.
Steamers per ton of registered tonnage	15	0	0	3	0	0
Open cargo boats do. do.	3	0	0	0	10	0
Passenger boats, 1st class, do.	6	0	0	1	4	0
Passenger boats, 2nd class, and decked cargo boats, per ton of registered tonnage	4	0	0	0	13	0
Rafts of timber or of timber and bamboos per 100 square feet or fraction thereof	...	...	...	1	0	0
Rafts of bamboos per 100 square feet or fraction thereof	...	...	...	0	8	0

For either of the two lines of Navigation, the Dumagudiem and Vêdâranniyam Canals.

Boats per ton of registered tonnage	1	0	0	0	3	0
Rafts of timber or of timber and bamboos per 100 square feet or fraction thereof	...	...	...	0	4	0
Rafts of bamboos	...	...	...	0	2	0
Duplicate license for any line or lines of Navigation, if original license be lost	2	0	0	0	4	0

FEES FOR REGISTRATION.

For the three lines of Navigation, the Gôdâvari, Kistna and Buckingham Canals.

Steamers, each	60	0	0	12	0	0
Private boats for owner's personal use, each	24	0	0	4	8	0
Pleasure boats, each	2	0	0	0	6	0
Duplicate certificate, if original be lost, each	0	8	0	0	2	0

For either of the two lines of Navigation, the Dumagudiem and Vêdâranniyam Canals.

Steamers, each	30	0	0	6	0	0
Private boats for owner's personal use, each	12	0	0	2	4	0
Pleasure boats, each	1	0	0	0	3	0
Duplicate certificate, if original be lost, each	0	4	0	0	1	0

WHARFAGE FEES.

Every vessel which loads or discharges at any wharf per ton of registered tonnage to cover use of any wharf or wharves for a period of seven days	...	...	...	0	1	0
Fees for using the places reserved at wharves for test-measuring or test-weighing goods per boat per diem	...	...	...	1	0	0

July 1899

DEMURRAGE FEES.

Six weeks.

RS. A. P.

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Vessels remaining at any of the wharves for more than seven days after the expiry of a wharf ticket per ton of registered tonnage for every day or portion thereof ...
Goods remaining at any of the wharves for more than seven days per 100 square feet, or portion thereof, of space occupied by the goods per day ...

2. Licenses and certificates of registration shall be issued at the following places:—

Lines of navigation.	Places where annual licenses and certificates of registration shall be issued.	Places where six weeks' licenses and certificates of registration shall be issued.
The Dumagudiem canal ...	Dumagudiem ...	Dumagudiem lock. Dowlaishweram do. Bobberlanka do. Vijeswaram do. Ellore do.
The Gódayari canals ...	Dowlaishweram ...	All tidal locks. Bezwada lock. Seetanagaram do.
The Kistna canals ...	Bezwada ...	All tidal locks. All wharves. Madras boat basin. All tidal locks.
The Buckingham canal ...	Madras Boat basin ...	All wharves. Negapatam.
The Vídáranniyam canal ...	Negapatam ...	

A list of the stations in each division shall be affixed to a notice-board in a conspicuous place at each station in that division.

3. Wharfage and demurrage fees shall be levied at the following wharves:—

The Kistna canals ...	Palakole. Bezwada. Pamarru. Chintaguntapalem basin. Ellore. Seetanagaram. Chebrole. Santaravur. Nandivelugu. Tenali. Tandole. Vellatur. Romperu Lock. Kottapatnam. Weellapollim. Iskapelli. Mypaud. Muthukur. Madras Boat basin town wharf. Madras Elephant gate. Madras Trevelyan wharf. Chintadripott. Barber's Bridge. Mylapore. Papanchavady.
The Buckingham canal ...	

No. 486 I., 13TH JUNE 1899.

35

ORDER—No. 486 I., dated 13th June 1899.

The amended Navigation rules and notifications will have effect from the 15th July 1899 and will be published in the *Fort St. George Gazette* and *Gazettes* of the districts concerned.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" the Consulting Engineer for Railways.
" the Examiner, Public Works Accounts.
" Superintending Engineers, I, II, III and V Circles.
" the Revenue Department.
" the Local and Municipal Department.
" the Judicial Department.
" the Honourable the Advocate-General.
" the Superintendent, Government Press,
" the Chamber of Commerce, Madras.
Exd. W. D'Moss.

(Legislative Department)

with rules, and notifications.

IRRIGATION.

Navigation Rules

Stating that the amended — and notifications will have effect from the 15th July 1899, and directing their publication in the *Fort St. George Gazette* and the *Gazettes* of the districts concerned.

NOTES.

33-35

Urgent

Please come

Send a clear
proof for approval
as soon as possible

The pencil correction
should in place by
may be neglected
at present, but
should not be
rubbed out

W. R. Ward -
Manager, Office
of the Chief Engineer
1/15/1899

Inserted
in file for
page 01

Mr. the Governor
Mr. the Hon. Secy. of State
Mr. the Hon. Secy. of the Interior

Read the following:—

Note by the Chief of
Irrigation. N. X. I.
d. 30. 5. 99. ~~to~~ Submitting
draft amended Canal
Navigational rules.
FOR ORDERS.

Applying rules
P. 91 d'

The amended Rules may be approved.

7.9.99
3.5.99
MA 5.6.99

7-6-99

The alterations in the rules are sufficiently explained in the above note and in the marginal notes on the proof of the amended rules — Additions to the rules as they stand now have been pointed and underlined with red, and words which it is proposed to omit are crossed with a black line. The subject dealt with in para 7 of the note viz the Sultana...

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nce of

FOR ORDERS.

Railway wharf and
siding was placed
before Govt with note
for orders dated 6/8/78.

Flag. M —

The Sup^r & Inf. of circle
represents the urgency of
doing something to relieve
the Caladani boats from
the heavy fees they now
pay, and it is desirable
to have orders issued
in the subject as soon
as possible —

Flag J

W.H.
30.5.99

J

W.H.
30.5.99
J

FOR ORDERS.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

MENT.

DER date the

Read the following

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7/13th June '99

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Forwarded-

FOR ORDERS.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Print with rules.
Vote by the Chief Engr for Engr.
No 121 d. 30. 5. 88.

Emergency

No: 486 Dg/13th June 1888

1. The recommendations of the Chief Engineer for Irrigation are approved.

and to be issued immediately

The amended rules and notifications will have effect from the 15th July 1888. and will be published in the Fort St George Gazette and Gazettes of the districts concerned.

697 W.H. 328

Engr.
R

Chief Engr. for Irrigation
Chief Engr. for Railways
" Engr. for Agriculture
" Engr. for Forests, &c.
" Engr. for Public Works
" Local & Municipal Dept.
" Judicial Dept.
" The Hon. Advocate General
" The Supt. Govt Press with rules & notifications
Chamber of Commerce, Madras.
Agent, Southern Railway

W.H.
8/6/88

3. Ordered that a copy of these Procs be forwarded to the Govt of India for information

145 No 486 d/13 June 1888

Forwarded -