

(1) Number of pages 8

(2) Date of repair 12. 10. 40.

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MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. <u>4348</u>	<u>Press</u> <u>Mis.</u>
Dated <u>25. 7.</u>	<u>18 87.</u>

Not to be folded or roughly handled

22ND JUNE 1887, No. 380 I., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

Transfer endorsement from the Revenue Department, dated 26th May 1887, No. 3017.

No. 63 I.

Note by the Chief Engineer for Irrigation.

In G.O., No. 965, Revenue, dated 6th November 1886, it was ordered that standard plans for new irrigation sluices were to be prepared; this has been done, and they have been lithographed for circulation to Collectors.

2. Attention is called to the order of Government "that the maintenance of minor irrigation works by the Revenue Department is, as a rule, to be limited to actual repair of masonry and earthwork, to the reconstruction of injured works, and to the construction of new irrigation sluices on standard plans" to be prepared by the Executive Engineer and approved by the Superintending Engineer.

3. It is supposed that, when these standard plans have been furnished to Collectors, this department will not be called on to approve of the detailed plans and estimates for new sluices proposed to be built by the Revenue Department, or to examine the estimates for the repair of masonry and earthwork or reconstruction of injured works, and only on very special occasions will this department be called on to assist the Revenue officers with professional advice, &c.

4. With regard to building new irrigation sluices, it has to be pointed out that the grant for minor works placed at the disposal of the Revenue Department for 1887-88 is only Rs. 2,75,000, and it is not likely that this grant can be increased. As this is the case, it is submitted that it is not advisable for Collectors to spend any portion of this grant in building new sluices; the grant should be utilised in the repair of masonry and earthwork, and in the reconstruction of injured works.

5. It never was proposed that the minor irrigation works were to be provided with new sluices, waste weirs, &c., by the Collectors out of the minor irrigation grant; all that was intended was that these works should be maintained, and maintenance consists only of masonry and earthwork repairs, and occasionally the reconstruction of injured works.

6. Fifty copies of the lithographic plan of standard designs are forwarded for transmission to the Revenue Secretary for distribution.

OOTACAMUND,
14th June 1887.

(Signed)

H. R. MEAD, Col., R.E.,
Chief Engineer for Irrigation.

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

ORDER—dated 22nd June 1887, No. 380 I., Public Works.

The standard designs proposed by the Chief Engineer for Irrigation are approved, and will be forwarded to the Revenue Department for communication to Collectors, for information and guidance, with reference to G.O., No. 965, Revenue, dated 6th November 1886.

(True Extract.)

R. Davidson

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Revenue Department, with 50 copies of plans.

Exd. E. Fernandez.

50 Spare Copies & 50 copies of plans

NOTE FOR THE SECRETARY.

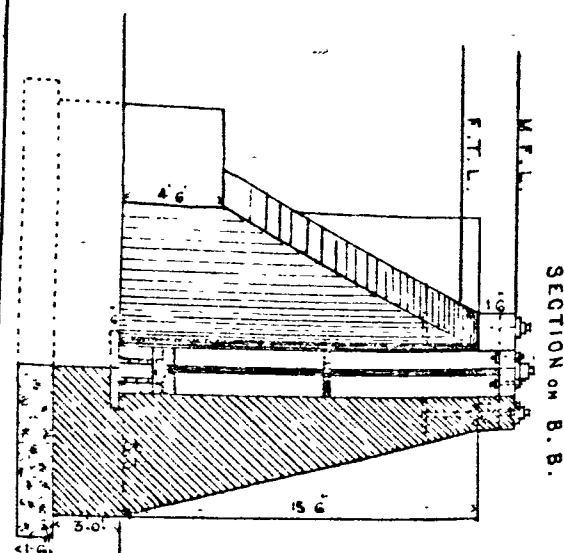
C. No 5356

In paras 4 & 5 of the note by the Chief Eng^r for Irrigation printed in the ~~Govt~~ Current he seems to object to the modified rule issued in S.O. 6 Nov 1886 no 965 to the effect that the Revenue Dept. may construct new irrigation sluices on standard plans to be prepared by the Executive Engineer & approved by the Insp^r Engineer. As however, no notice is taken of the objection in the S.O. dated 22^d June 1887 no 380.I. it is presumed that there is no intention of recommending the rule above referred to. The rule was passed because the D. P. W. was ^{temporarily} unable to attend ~~to the~~ to the work of preparing new irrigation sluices & to save delay it was thought that the work might be

submitted to the Revenue
Dept. If the grant for the
repairs for minor irrigation
works has been fixed with
ref. reference to requirement,
in respect of repairs merely
the P. W. Department may
be asked to transfer to
the Revenue Dept. so much
of their grant as was
intended to cover ex-
penditure in providing the
sluices of the kind and
in question.

23/7 I spoke to Col. Head about
this. His object is to stop construction
new works and to make Colli-
more Rev. attention to repairs.
The G.O. does not notice his
objections to the order regarding
new sluices & tanks. The Revenue
Dept. grant is intended to cover
everything and we can get
as much money out of the Govt.
The best thing is to leave matters
alone and to wait until some
one asks a question. As of now
we are entering into a discussion
with the Revenue Dept. 25/7

PROFESSIONAL CIRCULAR No. 4 B.



SECTION on B. B.

PLAN OF SLUICE TO BE REGULATED BY A SHUTTER LIFTED WITH IRON SHAFT

PLAN AT TOP

PLAN AT FOUNDATION

Handwritten notes: 18-7-8-6, 0-9

PLAN AT FOUNDATION

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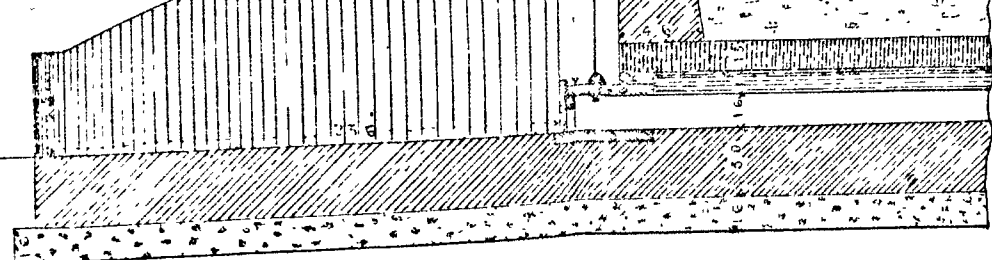
CROSS SECTION OF SHUTTER

DESIGN FOR A HEAD OF SLUICE TO BE RECEIVED BY ORDINARY PLUG AND UNDER-VENT FITTED WITH MOVEABLE SHUTTER.

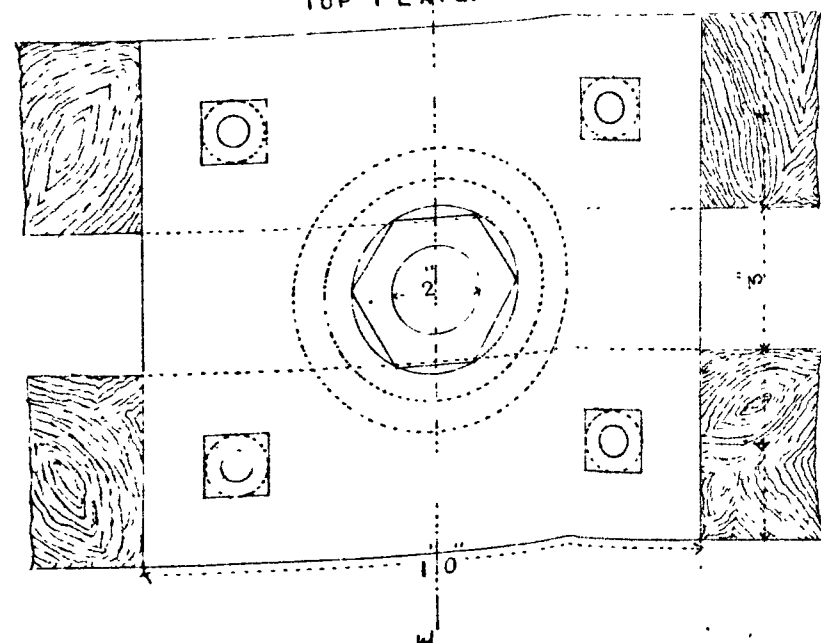
PLATE BAR 2x

	CONCRETE.
	MASONRY.
	ARCHWORK
	CUTSTONE
	WOOD WORK

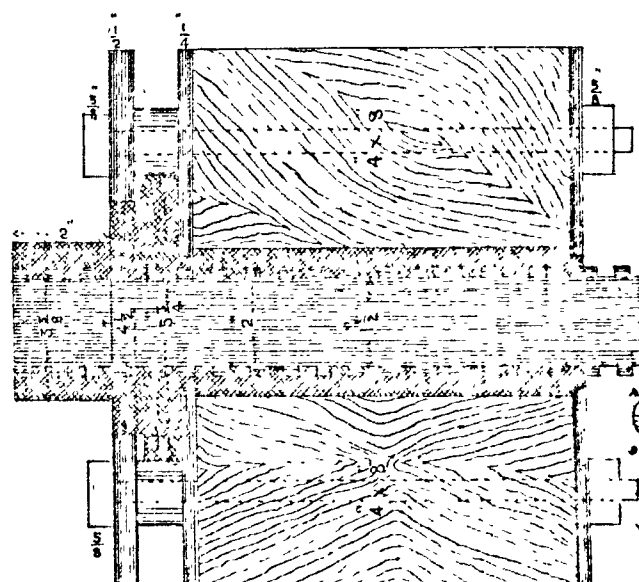
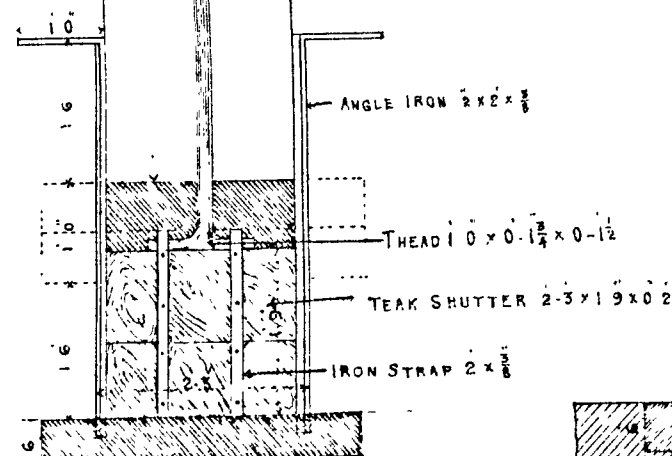
SHAFT
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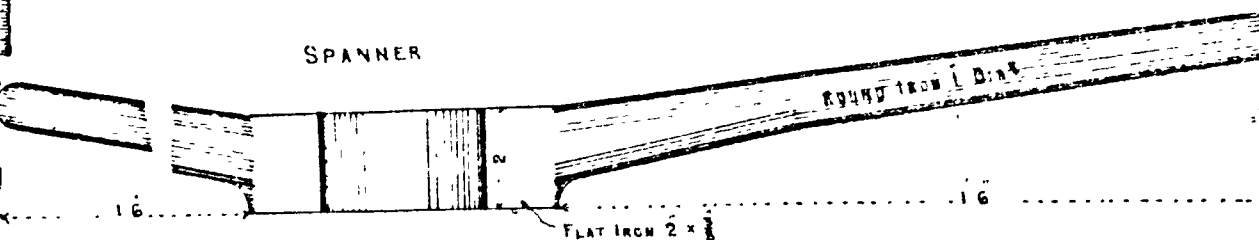
TOP PLATE.



SECTION ON E.E.

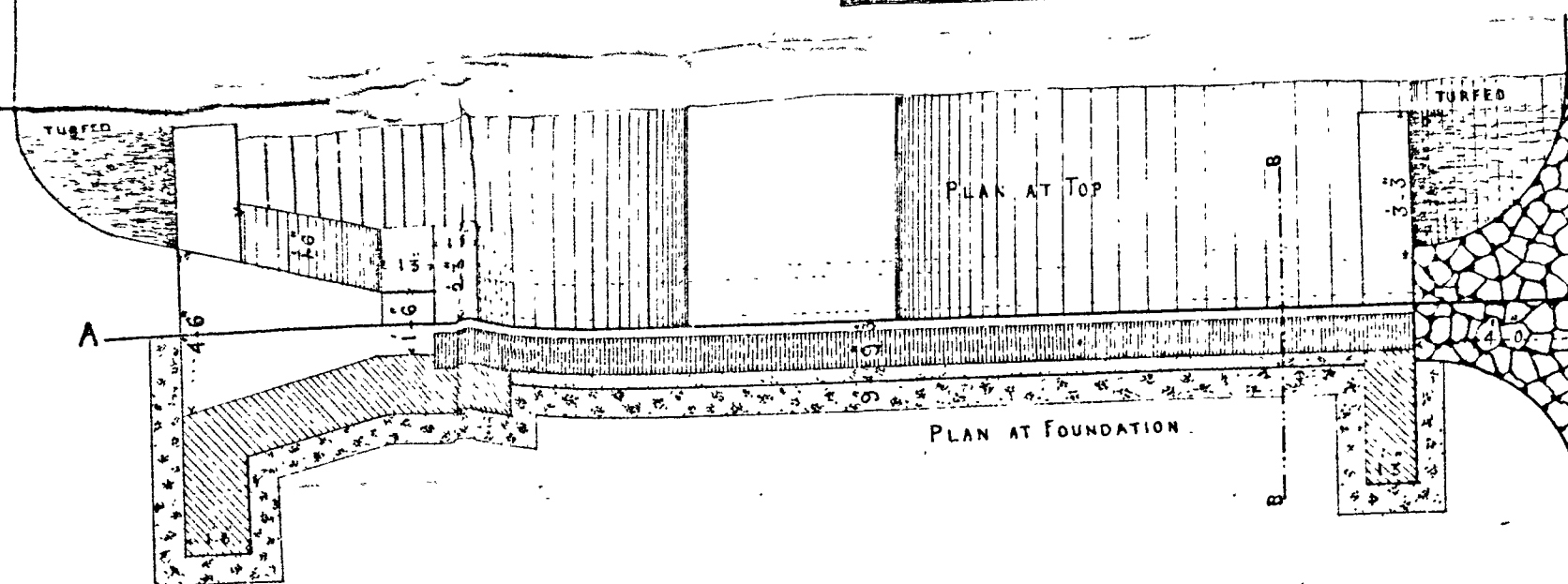


SPANNER

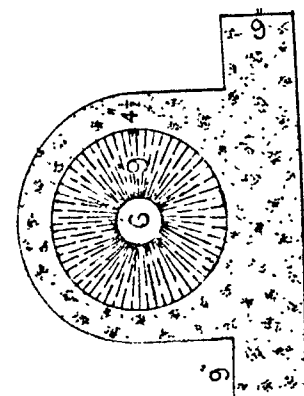


PLAN OF A BARREL SLUDGE

SCALE $\frac{1}{50}$



SECTION ON B.B.



SCALE $\frac{1}{25}$

REMARKS.

FOUNDATIONS. — CONCRETE IS ALLOWED IN THE PLAN, BUT IT MUST BE UNDERSTOOD THAT THE FOUNDATIONS WILL VARY IN CHARACTER WITH THE NATURE OF THE SOIL. —
 PLUG HOLE. — THESE MUST VARY IN SIZE WITH THE AREA TO BE IRRIGATED VIZ. —

AREA OF LAND	DIAMETER OF PLUG HOLE.
1 TO 50 ACRES.	4 INCHES.
50 TO 100 —	6 DO.
100 TO 200 —	8 DO.

IN THE CASE OF SMALL TANKS WHERE THE HEAD IS NOT MORE THAN 8 FEET AND THE AREA TO BE IRRIGATED DOES NOT EXCEED 20 ACRES, BARREL SLUDGES AS PER PLAN MAY BE USED.

J. M. S.

Asst. Supt. and Manager
 Govt. Light Press
 Chepauk, Madras Dec. 1887.

Office of the Chief Eng.
 for Irrigation
 Chepauk 27th January 1887

R. Davidson
 Asst. Chief Eng. for Irrigation

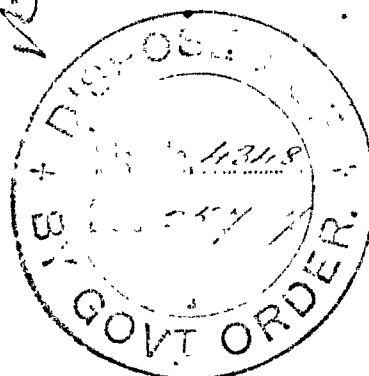
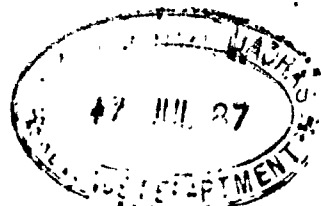
$\frac{1.8}{2.1227}$
 1.8
 2.1227

Rev (1987) 2445.
 Miss J.D. 4348
 25-7-87

Revenue Dept.
No 5356
IRRIGATION.

IRRIGATION.

Govt. of 1887 Madras.
PUBLIC WORKS.



Dated June, 22nd.

Recd.

7 July.

Encl. 50

Encl. 50
Mr. Plano

G.O., 22nd June 1887, No. 380 I.

JUNE.

Minor Irrigation Works

A note by the Chief Engineer for Irrigation on the subject of maintenance of — by the Revenue Department, with lithographed copies of standard plans for new irrigation sluices, forwarded to the Revenue Department.

P. J. Q.

G. Ann. № 4348 d. 25-7-87

moved to the corner of Reo.
 Settlement, Land Records &
 Agriculture.

25.7

To the Court of Prob. & Est. }
with 45 copies of the plan. } 22.9.83