GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

Read—the following papers:—

From the Acting Joint Magistrate in charge, Madura, dated Dindigul, 17th January 1885, No. 1.
From the District Magistrate of Salem, dated 15th March 1885, No. 434.
From the District Magistrate of Malabar, dated Cannanore, 22nd March 1885, No. 1134-A.
From the District Magistrate of Coimbatore, dated 24th March 1885, No. 226.
From the District Magistrate of Kurnool, dated 15th April 1885, No. 94.

Abstract.—Reporting that there are no factories in these districts that fall within the scope of the Act.

*Report on Railway Factories for the year* 1884.

The railway factories in this Presidency were, as required by the Act, inspected three times during the year.

2. The South Indian Railway workshop at Egmore has been transferred to Cuddalore, where the number of men employed is not sufficient to bring the new building under the scope of the Factory Act.

3. No children are employed in these factories.

4. The machinery continues to be securely fenced.

5. A detailed statement of accidents reported during the year is herewith submitted. There were 24 accidents in the Perambúr workshop, as against two at Negapatam, but none were serious. I know of nothing to account for the disparity shown by these numbers.

(Signed) W. H. COAKER, Major, R.E.,
*Inspector of Railway Factories.*

17*th January* 1885.

Enclosure.

List of Factories.

| District. | Taluk. | Name of factory. | Number of hands employed. | Number of accidents. | Machinery whether fenced or not. | Ventilation and sanitation. | Remarks. |
|---|---|---|---|---|---|---|---|
| Madras .. | Saidápet. | Perambúr Railway Works. | 2,438 | 24 | Sufficiently fenced. | Good. | |
| Do. .. | Madras.. | South Indian Railway Locomotive and Carriage Shops. | 288 | Nil. | .. | .. | Has been removed to Cuddalore, where number of men employed is not sufficient to bring it under the Factory Act. |
| Tanjore .. | Negapatam. | Do. .. | 1,527 | 2 | Sufficiently fenced. | Good. | |

No. 23.

Endorsement on the above.

Submitted to Government in the Judicial department with reference to their Proceedings, No. 329, dated 9th February 1883.

(Signed) W. H. COAKER, Major, R.E.,
for *Consulting Engineer for Railways.*

Madras,
17*th January* 1885.

From the Acting District Magistrate of Bellary, to the Chief Secretary to Government, dated 31st January 1885, No. 126.

I have the honor to enclose a copy of the Head Assistant Magistrate's report, No. 103, dated 26th January 1885, on the working of the Indian Factories Act XV of 1881, for the calendar year 1884.

2. Out of the six cotton presses on the register at the beginning of the year, the three at Bellary were removed from the operation of the Act as the number of persons engaged on each of them on any one of the processes employed was less than 100. The presses at Adóni are reported to be in a similar position and may also be removed from the register.

3. I do not agree with Mr. Russell in considering that the limit of age for children should be reduced.

The restrictions imposed by the Act were framed in the interests of the children and a reduction of the minimum would be to sacrifice their welfare to the interests of employers.

4. The Act has worked satisfactorily.

(Signed) C. A. GALTON,
*Ag. District Magistrate.*

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ENCLOSURE.

From the Acting Head Assistant Magistrate and Inspector of Factories, Bellary district, to the District Magistrate of Bellary, dated Neelagunda, 26th January 1885, No. 103.

With reference to your letter, No. 16, dated 6th instant, I have the honor to submit my report on the working of the Factories Act XV of 1881, for the calendar year 1884.

2. *Factories registered under the Act.*—There were seven factories on the register at the beginning of the year, as shown below. Of these, No. 4 was removed from the register by a proceedings of the Inspector, dated 24th January 1884. The proceedings is based on G.O., dated 6th June 1883, Nos. 1504 and 1504-A, Judicial. One hundred persons are not employed within the meaning of the Factory Act. Again, on the 25th November 1884, Nos. 5 and 6 were removed by a proceedings of the Inspector. These proceedings are based on the Government Order above quoted as well as G.O., No. 2177, dated 26th August 1884. One hundred persons are not employed in any one of the processes of cleaning or pressing the cotton. The cotton presses at Adóni were not inspected during the year. Properly speaking they ought not to be on the register at all as they do not employ 100 persons in any process within the meaning of the Act. The result is that the only factory proper in this district is the Bellary Spinning Mill. This was inspected on the 24th April 1884, 24th May 1884, and 25th November 1884 :—

| Number in register A. | Locality where situated. | Name of the factory. | Date of inspection and the number of persons actually employed. | Number of children ordinarily employed during the working season. | Date on which the factory was removed from the register. |
|---|---|---|---|---|---|
| 1 | Adóni .. .. | Dymes and Co.'s Cotton Press .. | Not inspected. | | .. |
| 2 | Do. .. .. | Brunton and Co.'s do. .. | Do. .. .. | | .. |
| 3 | Do. .. .. | Harvey and Sabapathy's Cotton Press. | Do. .. .. | | .. |
| 4 | Bellary .. .. | Arbuthnot and Co.'s Cotton Press .. | Do. .. .. | | 24th Jan. 1884. |
| 5 | Do. .. .. | Dymes and Co.'s Cotton Press .. | 24th May 1884 = 92<br>25th Nov. 1884 = 0 | Nil. | 25th Nov. 1884. |
| 6 | Do. .. .. | Harvey and Sabapathy's Cotton Press. | 24th May 1884 = 99<br>25th Nov. 1884 = 0 | Nil. | 25th Nov. 1884. |
| 7 | Do. .. .. | Bellary Spinning and Weaving Mill. | 24th Apr. 1884 = 245<br>24th May 1884 = 239<br>25th Nov. 1884 = 274 | 77 | .. |

3. *Holidays and working hours.*—There appears to be only two holidays in the month for workers in the spinning mill. They are alternate Sundays. Children under 12 are not employed in the factory, so that holidays are not required under the Act. All children employed are certified to be over 12 by the certifying surgeon.

4. The ventilation and sanitary arrangements at the spiuning mill are excellent.

5. No accidents have been reported during the year.



6. No prosecutions have been instituted during the year under report.

*General remarks.*—The working of the Act has been satisfactory during the year. There has been no complaint by any of the managers. In last year's report I urged the necessity of giving the Inspector power to depute some responsible officer to inspect the factories occasionally when it would be inconvenient to the Inspector himself to do so. It does not appear to me to be necessary to do this now as the only factory in the district is the spinning mill situated in Bellary.

7. It seems to be a question whether the minimum age for the employment of children full hours might not be reduced to 10 or at any rate to 11.

The managers will not apparently employ children under the minimum age in batches of six hours each.

(Signed) S. RUSSELL,
*Acting Head Assistant Magistrate and Inspector of Factories.*

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From the Joint Magistrate, to the District Magistrate, Godávari district, dated Rajahmundry, 5th January 1885, No. 4.

I have the honor to report that I inspected the Dowlaishweram Government Workshop, the only "factory" that falls under the provisions of the Factory Act (XV of 1881) within the Sub-Division, on the 30th December last.

2. The workshop does not seem to have been inspected previously during 1884.

3. At the time of my visit there were 299 persons employed at the factory, all of whom were adults; besides these I was informed that there were five East Indian lads, apprentices, employed. These were on leave for the Christmas holidays, so I had not an opportunity of seeing them.

4. No women were employed, and no person, male or female, below the age of 15. All those I inspected looked healthy and well.

5. The different shops are well ventilated and in good order.

All dangerous machinery is securely fenced and only one accident had occurred during the year, viz., the case of a man who lost the first joint of the middle finger of the right hand owing to the man's own carelessness when working at a hand drilling machine. The accident was duly reported at the time in accordance with the rules.

6. The working hours are from 6 A.M. to 12 noon, and from 2 to 5 P.M., with an interval of two hours for meals and rest.

7. No work is carried on on Sundays, and all native festivals as well as New Year's day, Good Friday and Christmas day are observed as holidays, and a list of these is conspicuously exhibited on the premises.

8. There is no latrine accommodation in connection with the workshop, the employés being obliged to resort for purposes of nature to the adjacent fields, &c. I think this is a defect which requires to be remedied, and attention should be directed to it without delay.

9. All parts of the premises that can with advantage be whitewashed are whitewashed as occasion requires.

10. On the whole (with the exception just adverted to), the workshop and premises are in a thoroughly satisfactory condition.

(Signed) R. RICE,
*Joint Magistrate.*

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No. 2.

Endorsement on the above.

Submitted to Government for information.

COCANADA,
*24th January* 1885.

(Signed) J. N. ATKINSON,
*Special Assistant,*
for *Magistrate.*

From the Acting Head Assistant Magistrate and Inspector of Factories, Kistna, to the District Magistrate, Kistna, dated Masulipatam, 7th February 1885, No. 18.

With reference to G.O., No. 2177, dated 26th August 1884, I have the honor to submit my report under the Factories Act XV of 1881, for the calendar year 1884.

2. There is only one factory in the division, viz., the Department of Public Works Workshop, Bezváda.

3. This factory was inspected by me on the 4th August 1884 during the year under report. I took charge of the division in the latter part of July, up to that time—from March to July—my predecessor had been in the head-quarters of the district. From 14th August up to end of December I was in camp.

4. The rule as to posting up in a conspicuous place notice of working hours and holidays, as also rules and forms in English and Telugu (*vide* rule XXIII), was being properly observed.

5. The registers under forms D and E were kept, and the certificates given in form C by the certifying surgeon were posted in a book.

6. A notice giving particulars as to the intervals for food and rest to children was also posted in front of the factory.

7. The hours fixed were from 6 A.M. to 6 P.M., with two hours interval, that is, ten hours in all.

8. No prosecutions were ordered under the Act during the year.

9. No accidents were reported in the year.

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Enclosure.

FORM B.

Extract from the Register of Inspections of Factories.

(Under rule 9 of rules made under section 18 of the Indian Factories Act, 1881).

District of Kistna, Division of Head Assistant Magistrate, for the official year 1884-85.

| Number of factory in register A. | Name or description of factory. | Name of occupier or manager. | Date of inspection. | Number of persons at work on date of inspection. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | | Adults. | | Children. | | |
| | | | | Men. | Women. | Male. | Female. | |
| 1 | Government Workshop, Bezváda. | Executive Engineer, Kistna Eastern Division. | 4th August 1884. | 247 | .. | 15 | .. | Present 223, of which twelve boys. |

(True Extract.)

(Signed) F. E. ROBINSON,
*Acting Head Assistant Magistrate and Inspector of Factories.*

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No. 83.

Endorsement on the above.

Submitted to Government in the Judicial department with reference to G.O., No. 329, of 9th February 1883.

2. This is the only factory in the district falling within the scope of the Act.

Masulipatam,
20*th February* 1885.

(Signed) B. RAJA RAO,
for *District Magistrate.*



From the District Magistrate of Ganjam, to the Chief Secretary to Government, dated Garabanda, 2nd March 1885, Ex. No. 292.

I have the honor to submit the report under the Factories Act for the year 1884.

2. The Sugar Factory at Aska belonging to Messrs. Minchin Brothers and Co. is the only one in this district that comes under the scope of the Act.

3. During the year under review the factory was twice inspected—

Firstly, by Mr. Thompson, the Acting Senior Assistant Magistrate, on the 4th March 1884, and

Secondly, by Mr. Mounsey, the Special Assistant Agent in charge of the Senior Assistant's office, on the 2nd October 1884.

4. Mr. Thompson's report was read in G.O., dated 26th August 1884, No. 2177, Judicial. Hence it is unnecessary to recapitulate its details here.

5. On the date of the second inspection the number of hands employed in the factory was 503, of whom 94 were juveniles of different ages varying from 13 to 16 years. No female was employed in the factory.

6. There have been no accidents reported since the last inspection in March 1884.

7. As usual the factory was kept clean with free ventilation.

8. The rules under the Act appeared to be carefully carried out except in posting up in a conspicuous place a notice of rules and forms in English and Telugu as enjoined under rule XXIII. This omission was, however, immediately rectified.

9. The machinery including the flywheel in the smiths' shop, alluded to in Mr. Thompson's report, was sufficiently and securely fenced.

(Signed) J. G. HORSFALL,
*District Magistrate.*

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From the Acting District Magistrate, Vizagapatam, to the Chief Secretary to Government, dated Vizagapatam, 3rd March 1885, No. 130.

I have the honor to submit, herewith, report on the inspection of the factory at Chittivalsa for 1884.

2. I regret to have to say that, owing to frequent transfers of the inspector, Mr. Hewetson, the factory was not inspected as often as it ought to have been.

3. With reference to concluding part of paragraph 1 of G.O., No. 2177, Judicial department, dated 26th August 1884, I have the honor to request that the general duty deputy magistrate, Vizianagrum, in whose jurisdiction the factory is, may be appointed inspector under the Act.

(Signed) H. G. TURNER,
*Ag. District Magistrate.*

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Enclosure.

From the Deputy Magistrate, Vizianagrum, to the Acting District Magistrate, Vizagapatam, dated Vizianagrum, 17th December 1884, No. 321.

With reference to your foot-note, dated 13th instant, to G.O., No. 2177, dated 26th August 1884, I have the honor to submit my report of inspection of the Chittivalsa factory, the only one in the district, belonging to Messrs. Arbuthnot and Co.

2. I inspected it on the afternoon of the 16th December 1884, between 1½ and 4 P.M; Mr. J. Innes, Manager of the Factory, was with me throughout the inspection and rendered me every assistance in my work.

3. It is, as you are aware, a gunny factory; jute and hemp are cleaned, twined, woven and made into bags. The engine is worked by steam, and its moving power is 77 nominal, and 220 actual, horse power.

4. The factory is closed during Sundays as well as on five English and ten Native holidays during the year. The working hours are from 5-50 A.M. to 5-50 P.M., with an interval of 1½ hours, from 12 to 1½ P.M., in the months of November to March, and of two hours, from 12 to 2 P.M., in the months of April to October, except on Saturdays, when it is closed at 4½ P.M., with an interval of only an hour at noon.

5. The average number of persons employed daily during the first eleven months of the year is 742, and the number of persons at work on the date of inspection is as follows :—

| | | | |
|---|---|---|---|
| Men .. | 12 to 16 .. .. .. .. | 305 | |
| | above 16 .. .. .. .. | 318 | |
| Women .. | 12 to 16 .. .. .. .. | 11 | |
| | above 16 .. .. .. .. | 123 | |
| | | | 757 |

No children are employed.

6. Mr. Hewetson last inspected this factory in March 1884.

7. It has not been cleaned subsequent to August 1883. It is white-washed once a year, but during the current year this work has not been done. Mr. Innes says that it will be commenced during the Christmas holidays. The latrines are as usual scoured by hot water that escapes from the engine.

8. The rooms of the building are properly ventilated. In the preparing room there is a great deal of dust and the workmen tie cloths over their mouths to prevent it getting in. I do not think that there is any harm in this, and they are quite used to it. The temperature in the working rooms at the time of inspection was 86°.

9. The machinery is fenced to a great extent, in some cases by iron rails, while in others by iron and wooden shields. There are, however, some wheels and other machinery which are not fenced and which cannot or need not be fenced. The workmen are quite familiar and they move about with ease. Mr. Innes says that there is danger in working the calenders, but it appears that they cannot be fenced, if work is to be conducted. Therefore, none but experienced men are allowed to handle them.

10. The occurrence of no accident has been reported, and there have been no prosecutions during the year.

11. Certificates are not granted in the form C appended to the rules, and no file of certificates is maintained as laid down by rule XIV. There are no certificates during the current year, but a list of persons "passed" by the medical officer up to 1883 is kept.

12. The registers in forms D and E are not kept as no children are employed.

13. The register of hours of employment is not in the form F.

14. The rules and forms with a translation are not kept hanging in a conspicuous place as laid down in rule XXIII. Mr. Innes says that he has not been supplied with a copy of the rules and forms.

(Signed) K. SUBBARAYUDU,
*Deputy Magistrate.*

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From the Commissioner of Police, to the Chief Secretary to Government, dated Madras, 31st March 1885, No. 19.

I have the honor to forward the Acting Deputy Commissioner's report on the working of the factories in the Madras city during the year 1884. Accidents have been more numerous; otherwise the report does not appear to me to demand further comment.

(Signed) T. K. GUTHRIE, Lieut.-Col.,
*Commissioner of Police.*

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ENCLOSURE.

From the Acting Deputy Commissioner of Police and Inspector of Factories, Madras, to the Commissioner of Police, dated Madras, 11th March 1885, No. 21.

I have the honor to report that the factories in the town were visited by me during the calendar year 1884, as stated below.



| Name of factory. | Date of inspection. | Number of times examined. |
|---|---|---|
| Buckingham Mill .. .. | 30th April 1884, 3rd May 1884, 13th October 1884, 30th December 1884. | 4 |
| Carnatic Mill .. .. | 19th March 1884, 29th September 1884, 30th December 1884. | 3 |
| Southern India Spinning and Weaving Company. | 17th March 1884, 28th March 1884, 9th May 1884, 29th July 1884, 21st October 1884. | 5 |
| Gunpowder Factory .. | 12th March 1884, 8th August 1884, 29th October 1884. | 3 |
| Gun Carriage Factory .. | 15th March 1884, 18th June 1884, 15th October 1884. | 3 |
| Massey's Iron Foundry .. | 22nd March 1884, 20th June 1884, 11th October 1884. | 3 |
| Madras United Spinning and Weaving Company. | 10th March 1884, 31st May 1884, 22nd October 1884. | 3 |
| Public Works Workshops.. | 12th March 1884, 25th June 1884, 7th October 1884. | 3 |
| Madras Harbour Works .. | 25th March 1884, 7th May 1884, 2nd October 1884.. | 3 |
| Arsenal .. .. .. | 8th March 1884, 10th May 1884, 6th October 1884.. | 3 |
| Cement Works .. .. | 22nd March 1884, 20th June 1884, 11th October 1884. | 3 |

2. *Accidents.*—There have been 40 accidents in all. Statement A shows in detail the number in each factory, and how they occurred, but I am glad to report that none of them proved fatal. The major portion of the accidents is attributed to the carelessness of the operatives themselves, who, it is said, attempted to clean the machines while in motion.

3. *Children.*—The Buckingham and Carnatic Mills have ceased to entertain children under 12 years of age since the 27th of September 1884. The reason given by the managers is that the employment of such juveniles does not pay. The children, it would appear, immediately upon obtaining age (12 years), having previously served their time of probation as it were, and learnt their work in the different departments, ask for wages paid only to adults, and, if their application for increase is not at once complied with, seek employment in the other mills. The discontinuance of the practice of entertaining children is in a manner to be regretted, for it is admitted by all the managers that hands so trained in all the branches of the industry, and accustomed to mill discipline, become as a rule the best servants. The Buckingham and Carnatic Mills, however, retain the children who were on their registers at the time the practice was stopped, and, as far as I can ascertain, they are well cared for. The children have been allowed the holidays prescribed by the Act. In January 1884, the Buckingham Mill had 47 (38 boys + 9 girls) children on its rolls, and the Carnatic Mill 130 children (107 boys + 23 girls). The year closed with 79 (74 boys + 5 girls) in the former, and 81 (64 boys + 17 girls) in the latter. During the year 210 (199 boys + 11 girls) children applied for employment, but were refused admission, as the medical officer certified them to be under 12 years of age.

4. The following table shows the number of persons employed at the end of the year, and the state of the factories with reference to sanitation and ventilation :—

| Name of district. | Name of factory. | Number of persons employed at the end of the year. | | | | Machinery whether fenced or not. | Ventilation and sanitation. |
|---|---|---|---|---|---|---|---|
| | | Adults. | | Juveniles. | | | |
| | | Men. | Women. | Male. | Female. | | |
| Madras .. | Buckingham Mill .. .. .. | 483 | 33 | 64 | 17 | Yes .. | Good. |
| Do. .. | Carnatic Mill .. .. .. | 373 | 36 | 74 | 5 | Do. .. | Do. |
| Do. .. | Southern India Spinning and Weaving Company. | 452 | 10 | .. | .. | Do. .. | Do. |
| Do. .. | Gunpowder Factory .. .. .. | 100 | 11 | .. | .. | Do. .. | Do. |
| Do. .. | Gun Carriage Factory .. .. .. | 413 | 1 | .. | .. | Do. .. | Do. |
| Do. .. | Massey's Iron Foundry .. .. | 137 | .. | .. | .. | Do. .. | Do. |
| Do. .. | United Spinning and Weaving Company. | 476 | 17 | .. | .. | Do. .. | Do. |
| Do. .. | Public Works Workshops .. .. | 228 | 2 | .. | .. | Do. .. | Do. |
| Do. .. | Harbour works .. .. .. .. | 137 | 6 | .. | .. | Do. .. | Do. |
| Do. .. | Arsenal .. .. .. .. | 681 | .. | .. | .. | Do. .. | Do. |
| Do. .. | Cement works .. .. .. .. | 37 | 12 | .. | .. | Do. .. | Do. |

5. *Sanitation.*—The latrines of the Madras United and Southern India Spinning and Weaving Mills were condemned by me during the year, as they were both faulty in construction, and, as far as the accommodation went, inadequate to requirements. A large and commodious convenience is now being erected at the former, and is fast approaching completion. The manager of the latter has obtained sanction from the head office for a new building, and awaits a plan from the municipality.

6. *Improvements.*—Hitherto the two grinding machines in Southern India Spinning and Weaving Mill were located in the carding room, which certainly was not conducive to the health of the workmen employed in the room, as they must have inhaled the dust and fluf flying off from the clearers and rollers, but during the year these machines were removed to a side room adjoining the carding room specially erected for the purpose.

*Mixing room.*—A large detached room has been erected some distance from the main building where all the cotton is now mixed, and whence it is carried to the blow room by means of a ten-inch pipe about 280 feet long. For this work one of Lord's exhaust machines was imported during the year. The cotton heretofore was mixed in the blow room, which is attached to the main building, but this was always considered dangerous. The present arrangement reduces the chances of the cotton in stock, and the yarn under preparation, being destroyed simultaneously in case of a fire.

7. *Choolay, or the Madras United Mill.*—The southern side of this mill has been enclosed by a high boundary wall securing with safety the large quantity of coal and firewood stored adjacent to it. The roofing of the second floor has had sky lights let into it, which has admitted more light into the centre of the building, where it was much needed. A large cistern has also been erected in the middle of the mill compound, and is filled with Red Hills water, whence the *employés* can procure their first supply of water in buckets in case of a fire. As stated in my last report this is the only mill that has on the premises a steam fire engine. This engine can be got ready in 20 minutes.

8. The Harbour and Cement Works Factories have done little or no work during the past year. The Buckingham Mill suspended work on the 20th November 1884, in order to carry out some repairs and alterations to the roofing. The tiled roof was removed, and substituted by corrugated iron sheets. Operations were resumed for a few days, when they were again suspended in consequence of a general strike among the workmen, who demanded higher wages and objected to the substitution of the daily wages system for monthly pay which had been in existence since the opening of the mill. Messrs. Binny and Co., the Agents, declined, I believe, to accede to their wishes, and having decided upon employing men from other places, have sent to Bombay for a supply of hands, hoping by this measure to impress upon the Madrasees the fact that the mill is not entirely dependent upon them.

(Signed) S. D. SIMPSON,
*Ag. Depy. Commr. of Police and Inspector of Factories.*

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From the District Magistrate, Tinnevelly, to the Chief Secretary to Government, dated Tinnevelly, 20th April 1885, No. 375.

Adverting to G.O., dated 5th March 1883, No. 625, Judicial, I have the honor to submit, herewith, copies of the reports, as per margin, of the Joint Magistrate and the General charge Deputy Magistrate, Tinnevelly, on the working of the Indian Factory Act XV of 1881, during the calendar year 1884.

Joint Magistrate, dated 21st February 1885, No. 16.
General charge Deputy Magistrate, dated 22nd March 1885, No. 56.

2. From the above reports it will be seen that there were two factories in the district in the year under report, of which A. and F. Harvey and Co. at Virudupati was taken under the purview of the Act only in May 1884 (*vide* G.O., Judicial, dated 18th April 1884, Mis. No. 952), and the General charge Deputy Magistrate was appointed as inspector for the purposes of the Act.

3. The factory at Tuticorin has not been inspected as often as required by the rules owing to frequent changes in the officers who had charge of the sub-division.

4. No children were employed in the factories, nor did any accidents of such a nature as to keep the sufferer away from his work occur in the year under report.



5. The premises of the factories were kept clean and the buildings well ventilated. The machinery of the Virudupati Factory is properly fenced, and that in the Tuticorin Factory, though not fenced, is reported to be not of such a nature or so arranged as to be likely to cause accidents.

6. Besides these factories, there are other cotton presses in Virudupati, Satúr, and Tuticorin which are not brought under the Act because they employ less than 100 coolies. I have asked the magistracy concerned to inspect them as soon as the working season commences, and to report as to the advisability or otherwise of their being taken under the Act.

7. I shall address the Government separately as soon as I receive their replies.

(Signed) J. LEE-WARNER,
*District Magistrate.*

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Enclosures.

From the Acting Joint Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Tuticorin, 21st February 1885, No. 16.

I have the honor to submit the annual report due on the working of the Factory Act for the calendar year 1884.

2. The Tuticorin Cotton Press Company (Limited) continued to be the only factory under supervision.

3. I joined the district in August 1884 and inspected the factory twice, viz., on 30th August and 16th December. The factory was not inspected earlier in the year because none of the six officers who had charge of the Sub-Collectorate remained in charge for more than a few weeks.

4. Since the factory was brought under supervision the manager has not allowed any children to be employed. The provisions of the Act, which have for their object the protection of children, have, therefore, no application.

5. No accident has been reported during the year, and the manager states that none has occurred of such a nature as to keep the sufferer from his work.

6. None of the work people except engine-driver and stoker are allowed in the engine-room, and the machinery in the rooms where cotton cleaning and pressing are carried on, though not fenced, is not of such a nature or in such a position as to be likely to cause accidents. The long period during which there has been no accident seems sufficiently to indicate that additional precautions are not required.

7. At my inspection on 30th August I found 122 men and 20 women employed. On 16th December there were 103 men and 17 women.

8. No additional ventilation is called for, and I observed nothing unwholesome in the condition of the premises.

9. I see reason to question whether some of the other presses are not liable to be brought under the Act, and will make due enquiry as to the number of hands employed in each as soon as the working season commences.

(Signed) H. M. WINTERBOTHAM,
*Acting Joint Magistrate.*

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From the General Charge Deputy Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Sankaranainárkoil, 22nd March 1885, No. 56.

I have the honor to submit my report on the working of the factories in my division for the year 1884, with the usual statements.

2. There are in all three cotton presses, two at Virudupati and one at Satúr, as noted on the margin. Of these the first alone was taken under the Act on 3rd May 1884. The factory was inspected by me on two occasions, and again by Mr. Venga Pillai, while he was in charge of the division. As your letter, dated 3rd May last, reached me very late in the end of

1. A. and F. Harvey and Co., Virudupati.
2. Southern Indian Press Company (Limited).
3. A. and F. Harvey and Co., Satúr.

the second quarter, no inspection could be made in that quarter as required by the Act. Copies of the inspection reports had been given to the agent of the factory, and I should think the proprietor of the press had been all along complying with the rules.

3. No children are employed in the factory, nor was there any accident in it during the year under report.

4. The factory premises have all along been kept clean, and the building is very well ventilated.

5. Virudupati being the centre of the cotton producing part in Tinnevelly is attracting the attention of some of the enterprising companies, and almost half-a-dozen of them have already started work in the division, of which we shall hear more by the end of this year.

6. Press No. II is going down. Press No. III at Satúr has just begun work. They are not brought under the Act as they employ less than 100 coolies.

7. The working season is from May to December, and, therefore, any inspection in the first quarter will be of very little use.

8. The statement for Press III has not yet been received from the proprietor though reminders have been sent to him. I shall submit a supplemental statement when the information is received.

(Signed) K. C. TIRUVIRARAJAN RAJAH,
*General Charge Deputy Magistrate.*

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From the District Magistrate of South Arcot, to the Chief Secretary to Government, dated Cuddalore, 27th May 1885, No. 33.

I have the honor, with reference to G.O., dated 5th May 1883, No. 625, Judicial, and to rule 6 of the rules embodied in G.O., dated 9th February 1882, No. 192, to forward, herewith, a report from the Deputy Magistrate General Duties, South Arcot, on the working of the Factories Act XV of 1881 during the calendar year ending 31st December 1884, together with an extract from the Register A and B.

2. The Deputy Magistrate, within whose range the Tiruvannanellur Factory is situated, has inspected it thrice during the year. The other factories in the district are situate at Nellikuppam and Bandipolliem. The latter is a new factory. It will probably not come under the provisions of the Act. The Nellikuppam Factory was not inspected by the Assistant Magistrate in whose jurisdiction it is situate, owing, apparently, to the changes of officers which took place during the year.

3. The statement of accidents herewith forwarded shows that they are all of a trivial nature, and not in any case due to the use of machinery.

4. The inspector has been requested to report whether the omissions noted in extract from Register B have been corrected.

5. The factory at Eruveliput was not registered under the Act, as the laborers employed in it were below 100 [*vide* clause (*b*) of section 2 of the Act].

(Signed) H. P. GORDON,
*District Magistrate.*

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ENCLOSURE.

From the Inspector of Factories and Deputy Magistrate of South Arcot, to the District Magistrate of South Arcot, dated Tirukoilur, 30th April 1885, No. 23.

I have the honor to submit my report on the working of the Factory Act for 1884.

2. There are two factories in the division. The Sugar Factory of Messrs. Parry and Co. at Tiruvannanellur was registered in 1881, and the other Sugar Factory of Messrs. Sabapathy Mudaliar and Co. at Eruveliput is not yet registered.



3. I inspected the former thrice in the year under report, and I submit, herewith, an extract from the Register B. As a rule boys and girls below the prescribed age are not employed in this factory.

4. Five accidents have been reported to me during the year. All of them are of trivial nature. However, all of them were sent to Tirukoilur Local Fund Dispensary for treatment, and they were treated there successfully. A statement showing the details of each is herewith submitted.

5. No prosecutions were ordered during the year.

6. I have visited on two occasions the factory at Eruveliput. The buildings were under repairs. The men employed on work were below 100. So no steps were taken to have it registered under the Act.

(Signed) KANCHI SUBBUROY PANTULU GARU,
*Inspector of Factories and Deputy Magistrate.*

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ORDER—dated 7th July 1885, No. 1760, Judicial.

The foregoing reports show that twenty-one factories falling within the scope of the Act were visited during the year, and that of these, twelve are situated in the Presidency town, and the rest distributed over the districts shown in the appendix.

2. The reports generally are satisfactory and show that attention is paid on the part of managers both to the guarding of the machinery and to the condition and ventilation of the buildings. The latrine-accommodation required at the Dowlaishvaram workshop should be provided at an early date. The question of fencing the cylinders in the Gunny Factory at Chittavalasa, which apparently requires further investigation, should be reported on more fully next year. The District Magistrate, Vizagapatam, will supply the necessary forms and rules to the manager of this factory, and will see that the prescribed registers are duly maintained. The recommendation made in paragraph 3 of the District Magistrate's letter is approved, and he will submit a draft notification for the appointment of the deputy magistrate.

3. Sixty-seven accidents are reported to have occurred. They were not of a serious nature, and none proved fatal. There were no prosecutions during the year.

4. The inspections in the districts are still far from satisfactory and compare unfavorably with those in the town of Madras. Laxity in this respect has led to certain factories in the districts of Bellary, Tinnevelly and South Arcot not having been inspected at all during the year. The new factories springing up in Tinnevelly should be closely watched. The cotton presses at Adóni should not be removed from the register till the inspector has personally satisfied himself that the number of operatives employed in each is below one hundred.

5. The three presses in Bellary town, which have been recently struck off the list, should be occasionally visited in view to their being restored to the control and supervision prescribed by the Act, as soon as they fulfil the necessary conditions. Similar remarks apply to the districts of Coimbatore, Malabar and Trichinopoly, where factories once on the list have been removed on similar grounds.

* End of March.

6. Although attention was drawn in the last review to the date * prescribed for the submission of these reports, the Government observe, with regret, that the report from the district of South Arcot was not received till fully two months after it became due and that, notwithstanding this delay, information is entirely wanting in regard to one of the two factories on the district list.

7. An inspection of the particulars given in the appendix show that some of the columns are blank, the necessary information not having been received. To avoid,

in future, the possibility of these omissions, it is directed that each report be accompanied by a statement similar to that furnished by the Deputy Commissioner of Police in paragraph 4 of his letter.

(True Extract.)

E. F. WEBSTER,
*Chief Secretary.*

To the Public Works department.
" Consulting Engineer for Railways.
" Commissioner of Police.
" District Magistrate of Bellary.
" " " of Godávari.
" " " of Kistna.
" " " of Vizagapatam.
" " " of Ganjam.
" " " of Tinnevelly.
" " " of South Arcot.

Copy to all other District Magistrates.



## APPENDIX.

| Name of district. | | Name of factory. | Number of hands employed. | Number of accidents. | Machinery, whether fenced or not. | Ventilation and sanitation. |
|---|---|---|---|---|---|---|
| Bellary .. | Adóni .. .. | Dymes & Co., Cotton Press. | | | | |
| | | Brunton & Co., Cotton Press. | .. | No particulars given. | | .... |
| | | Harvey and Sabapathy, Cotton Press. | | | | |
| | Bellary .. .. | Bellary Spinning and Weaving Mill. | 253 adults. 77 children. | *Nil.* | .... | Excellent. |
| Ganjam .. | Aska .. .. | Messrs. Minchin Brothers & Co., Sugar Factory. | 535 94 ju. | *Nil.* | Securely fenced. | Clean and well ventilated. |
| Godávari .. | Dowlaishvaram .. | Government Workshop. | 299 | One. | Do. .. | Well ventilated, latrine accommodation needed. |
| Kistna .. | Bezváda .. .. | Public Works Workshop. | 211 12 ju. | *Nil.* | .... | .... |
| Madras .. | Perambur .. .. | Railway Workshop. | 2,438 | 24 | Sufficiently fenced. | Good. |
| Vizagapatam .. | Chittivalasa .. | Messrs. Arbuthnot & Co., Gunny Factory. | 757 | *Nil.* | Sufficiently fenced to a great extent. | Properly ventilated. |
| Tinnevelly .. | Tuticorin .. .. | Cotton Press Company, Limited. | 131 | *Nil.* | Not fenced, but not likely to cause accidents. | Good. |
| .... | Virudapati .. .. | A. F. Harvey & Co., Cotton Press. | .. | *Nil.* | Properly fenced. | Clean and well ventilated. |
| Madras .. | .. | Buckingham Mill .. | 516 81 ju. | 3 | Fenced .. .. | Good. |
| | | Carnatic Mill .. | 409 79 ju. | 10 | Do. .. .. | Do. |
| | | South India Spinning and Weaving Company. | 462 | 7 | Do. .. .. | Do. |
| | | Gunpowder Factory. | 111 | 3 | Do. .. .. | Do. |
| | | Gun Carriage Factory. | 414 | 8 | Do. .. .. | Do |
| | | Massey's Iron Foundry. | 137 | .. | Do. .. .. | Do. |
| | | United Spinning and Weaving Company. | 493 | .. | Do. .. .. | Do. |
| | | Public Works Workshops. | 230 | 9 | Do. .. .. | Do. |
| | | Harbour Works .. | 143 | .. | Do. .. .. | Do. |
| | | Arsenal .. .. | 681 | .. | Do. .. .. | Do. |
| | | Cement Works .. | 49 | .. | Do. .. .. | Do. |
| Tanjore .. | Negapatam .. | South Indian Railway Locomotive Shops. | 1,527 | 2 | Sufficiently fenced. | Do. |
| South Arcot .. | Tiruvanamellur .. | Messrs. Parry and Company's Sugar Factory. | 204 | 5 | Boilers and furnaces require fencing. | .... |
| | Nellikuppam .. | .. | .. | Not inspected. | | .... |

Exd. J. Wright.

# Govt. of {1885} Madras.

JUDICIAL.

Issued

Recd. Encl.

G.O., 7th July 1885, No. 1760.

JULY.

## Factories.

Reviewing the annual reports on the factories in this presidency for 1884.



GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

Read—the following papers:—

From the Acting Joint Magistrate in charge, Madura, dated Dindigul, 17th January 1885, No. 1.
From the District Magistrate of Salem, dated 15th March 1885, No. 434.
From the District Magistrate of Malabar, dated Cannanore, 22nd March 1885, No. 1134-A.
From the District Magistrate of Coimbatore, dated 24th March 1885, No. 226.
From the District Magistrate of Kurnool, dated 15th April 1885, No. 94.

Abstract.—Reporting that there are no factories in these districts that fall within the scope of the Act.

*Report on Railway Factories for the year* 1884.

The railway factories in this Presidency were, as required by the Act, inspected three times during the year.

2. The South Indian Railway workshop at Egmore has been transferred to Cuddalore, where the number of men employed is not sufficient to bring the new building under the scope of the Factory Act.

3. No children are employed in these factories.

4. The machinery continues to be securely fenced.

5. A detailed statement of accidents reported during the year is herewith submitted. There were 24 accidents in the Perambúr workshop, as against two at Negapatam, but none were serious. I know of nothing to account for the disparity shown by these numbers.

(Signed) W. H. COAKER, Major, R.E.,
17*th January* 1885. *Inspector of Railway Factories.*

Enclosure.

List of Factories.

| District. | Taluk. | Name of factory. | Number of hands employed. | Number of accidents. | Machinery whether fenced or not. | Ventilation and sanitation. | Remarks. |
|---|---|---|---|---|---|---|---|
| Madras .. | Saidápet. | Perambúr Railway Works. | 2,438 | 24 | Sufficiently fenced. | Good. | |
| Do. .. | Madras.. | South Indian Railway Locomotive and Carriage Shops. | 288 | Nil. | .. | .. | Has been removed to Cuddalore, where number of men employed is not sufficient to bring it under the Factory Act. |
| Tanjore.. | Negapatam. | Do. .. | 1,527 | 2 | Sufficiently fenced. | Good. | |

No. 23.

Endorsement on the above.

Submitted to Government in the Judicial department with reference to their Proceedings, No. 329, dated 9th February 1883.

Madras, (Signed) W. H. COAKER, Major, R.E.,
17*th January* 1885. for *Consulting Engineer for Railways.*

From the Acting District Magistrate of Bellary, to the Chief Secretary to Government, dated 31st January 1885, No. 126.

I have the honor to enclose a copy of the Head Assistant Magistrate's report, No. 103, dated 26th January 1885, on the working of the Indian Factories Act XV of 1881, for the calendar year 1884.

2. Out of the six cotton presses on the register at the beginning of the year, the three at Bellary were removed from the operation of the Act as the number of persons engaged on each of them on any one of the processes employed was less than 100. The presses at Adóni are reported to be in a similar position and may also be removed from the register.

3. I do not agree with Mr. Russell in considering that the limit of age for children should be reduced.

The restrictions imposed by the Act were framed in the interests of the children and a reduction of the minimum would be to sacrifice their welfare to the interests of employers.

4. The Act has worked satisfactorily.

(Signed) C. A. GALTON,
*Ag. District Magistrate.*

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ENCLOSURE.

From the Acting Head Assistant Magistrate and Inspector of Factories, Bellary district, to the District Magistrate of Bellary, dated Neelagunda, 26th January 1885, No. 103.

With reference to your letter, No. 16, dated 6th instant, I have the honor to submit my report on the working of the Factories Act XV of 1881, for the calendar year 1884.

2. *Factories registered under the Act.*—There were seven factories on the register at the beginning of the year, as shown below. Of these, No. 4 was removed from the register by a proceedings of the Inspector, dated 24th January 1884. The proceedings is based on G.O., dated 6th June 1883, Nos. 1504 and 1504-A, Judicial. One hundred persons are not employed within the meaning of the Factory Act. Again, on the 25th November 1884, Nos. 5 and 6 were removed by a proceedings of the Inspector. These proceedings are based on the Government Order above quoted as well as G.O., No. 2177, dated 26th August 1884. One hundred persons are not employed in any one of the processes of cleaning or pressing the cotton. The cotton presses at Adóni were not inspected during the year. Properly speaking they ought not to be on the register at all as they do not employ 100 persons in any process within the meaning of the Act. The result is that the only factory proper in this district is the Bellary Spinning Mill. This was inspected on the 24th April 1884, 24th May 1884, and 25th November 1884 :—

| Number in register A. | Locality where situated. | Name of the factory. | Date of inspection and the number of persons actually employed. | Number of children ordinarily employed during the working season. | Date on which the factory was removed from the register. |
|---|---|---|---|---|---|
| 1 | Adóni .. .. | Dymes and Co.'s Cotton Press .. | Not inspected. | | .. |
| 2 | Do. .. .. | Brunton and Co.'s do. .. | Do. | | .. |
| 3 | Do. .. .. | Harvey and Sabapathy's Cotton Press. | Do. .. .. | | .. |
| 4 | Bellary .. .. | Arbuthnot and Co.'s Cotton Press .. | Do. .. .. | | 24th Jan. 1884. |
| 5 | Do. .. .. | Dymes and Co.'s Cotton Press .. | 24th May 1884 = 92<br>25th Nov. 1884 = 0 | Nil. | 25th Nov. 1884. |
| 6 | Do. .. .. | Harvey and Sabapathy's Cotton Press. | 24th May 1884 = 99<br>25th Nov. 1884 = 0 | Nil. | 25th Nov. 1884. |
| 7 | Do. .. .. | Bellary Spinning and Weaving Mill. | 24th Apr. 1884 = 245<br>24th May 1884 = 239<br>25th Nov. 1884 = 274 | 77 | .. |

3. *Holidays and working hours.*—There appears to be only two holidays in the month for workers in the spinning mill. They are alternate Sundays. Children under 12 are not employed in the factory, so that holidays are not required under the Act. All children employed are certified to be over 12 by the certifying surgeon.

4. The ventilation and sanitary arrangements at the spiuning mill are excellent.

5. No accidents have been reported during the year.



6. No prosecutions have been instituted during the year under report.

*General remarks.*—The working of the Act has been satisfactory during the year. There has been no complaint by any of the managers. In last year's report I urged the necessity of giving the Inspector power to depute some responsible officer to inspect the factories occasionally when it would be inconvenient to the Inspector himself to do so. It does not appear to me to be necessary to do this now as the only factory in the district is the spinning mill situated in Bellary.

7. It seems to be a question whether the minimum age for the employment of children full hours might not be reduced to 10 or at any rate to 11.

The managers will not apparently employ children under the minimum age in batches of six hours each.

(Signed) S. RUSSELL,
*Acting Head Assistant Magistrate and Inspector of Factories.*

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From the Joint Magistrate, to the District Magistrate, Godávari district, dated Rajahmundry, 5th January 1885, No. 4.

I have the honor to report that I inspected the Dowlaishweram Government Workshop, the only "factory" that falls under the provisions of the Factory Act (XV of 1881) within the Sub-Division, on the 30th December last.

2. The workshop does not seem to have been inspected previously during 1884.

3. At the time of my visit there were 299 persons employed at the factory, all of whom were adults; besides these I was informed that there were five East Indian lads, apprentices, employed. These were on leave for the Christmas holidays, so I had not an opportunity of seeing them.

4. No women were employed, and no person, male or female, below the age of 15. All those I inspected looked healthy and well.

5. The different shops are well ventilated and in good order.

All dangerous machinery is securely fenced and only one accident had occurred during the year, viz., the case of a man who lost the first joint of the middle finger of the right hand owing to the man's own carelessness when working at a hand drilling machine. The accident was duly reported at the time in accordance with the rules.

6. The working hours are from 6 A.M. to 12 noon, and from 2 to 5 P.M., with an interval of two hours for meals and rest.

7. No work is carried on on Sundays, and all native festivals as well as New Year's day, Good Friday and Christmas day are observed as holidays, and a list of these is conspicuously exhibited on the premises.

8. There is no latrine accommodation in connection with the workshop, the employés being obliged to resort for purposes of nature to the adjacent fields, &c. I think this is a defect which requires to be remedied, and attention should be directed to it without delay.

9. All parts of the premises that can with advantage be whitewashed are whitewashed as occasion requires.

10. On the whole (with the exception just adverted to), the workshop and premises are in a thoroughly satisfactory condition.

(Signed) R. RICE,
*Joint Magistrate.*

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No. 2.

Endorsement on the above.

Submitted to Government for information.

COCANADA,
*24th January* 1885.

(Signed) J. N. ATKINSON,
*Special Assistant,*
for *Magistrate.*

From the Acting Head Assistant Magistrate and Inspector of Factories, Kistna, to the District Magistrate, Kistna, dated Masulipatam, 7th February 1885, No. 18.

With reference to G.O., No. 2177, dated 26th August 1884, I have the honor to submit my report under the Factories Act XV of 1881, for the calendar year 1884.

2. There is only one factory in the division, viz., the Department of Public Works Workshop, Bezváda.

3. This factory was inspected by me on the 4th August 1884 during the year under report. I took charge of the division in the latter part of July, up to that time—from March to July—my predecessor had been in the head-quarters of the district. From 14th August up to end of December I was in camp.

4. The rule as to posting up in a conspicuous place notice of working hours and holidays, as also rules and forms in English and Telugu (*vide* rule XXIII), was being properly observed.

5. The registers under forms D and E were kept, and the certificates given in form C by the certifying surgeon were posted in a book.

6. A notice giving particulars as to the intervals for food and rest to children was also posted in front of the factory.

7. The hours fixed were from 6 A.M. to 6 P.M., with two hours interval, that is, ten hours in all.

8. No prosecutions were ordered under the Act during the year.

9. No accidents were reported in the year.

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ENCLOSURE.

FORM B.

Extract from the Register of Inspections of Factories.

(Under rule 9 of rules made under section 18 of the Indian Factories Act, 1881).

District of Kistna, Division of Head Assistant Magistrate, for the official year 1884-85.

| Number of factory in register A. | Name or description of factory. | Name of occupier or manager. | Date of inspection. | Number of persons at work on date of inspection. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | | Adults. | | Children. | | |
| | | | | Men. | Women. | Male. | Female. | |
| I | Government Workshop, Bezváda. | Executive Engineer, Kistna Eastern Division. | 4th August 1884. | 247 | .. | 15 | .. | Present 223, of which twelve boys. |

(True Extract.)

(Signed) F. E. ROBINSON,
*Acting Head Assistant Magistrate and Inspector of Factories.*

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No. 83.

Endorsement on the above.

Submitted to Government in the Judicial department with reference to G.O., No. 329, of 9th February 1883.

2. This is the only factory in the district falling within the scope of the Act.

MASULIPATAM,
20*th February* 1885.

(Signed) B. RAJA RAO,
for *District Magistrate.*



From the District Magistrate of Ganjam, to the Chief Secretary to Government, dated Garabanda, 2nd March 1885, Ex. No. 292.

I have the honor to submit the report under the Factories Act for the year 1884.

2. The Sugar Factory at Aska belonging to Messrs. Minchin Brothers and Co. is the only one in this district that comes under the scope of the Act.

3. During the year under review the factory was twice inspected—

Firstly, by Mr. Thompson, the Acting Senior Assistant Magistrate, on the 4th March 1884, and

Secondly, by Mr. Mounsey, the Special Assistant Agent in charge of the Senior Assistant's office, on the 2nd October 1884.

4. Mr. Thompson's report was read in G.O., dated 26th August 1884, No. 2177, Judicial. Hence it is unnecessary to recapitulate its details here.

5. On the date of the second inspection the number of hands employed in the factory was 503, of whom 94 were juveniles of different ages varying from 13 to 16 years. No female was employed in the factory.

6. There have been no accidents reported since the last inspection in March 1884.

7. As usual the factory was kept clean with free ventilation.

8. The rules under the Act appeared to be carefully carried out except in posting up in a conspicuous place a notice of rules and forms in English and Telugu as enjoined under rule XXIII. This omission was, however, immediately rectified.

9. The machinery including the flywheel in the smiths' shop, alluded to in Mr. Thompson's report, was sufficiently and securely fenced.

(Signed) J. G. HORSFALL,
*District Magistrate.*

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From the Acting District Magistrate, Vizagapatam, to the Chief Secretary to Government, dated Vizagapatam, 3rd March 1885, No. 130.

I have the honor to submit, herewith, report on the inspection of the factory at Chittivalsa for 1884.

2. I regret to have to say that, owing to frequent transfers of the inspector, Mr. Hewetson, the factory was not inspected as often as it ought to have been.

3. With reference to concluding part of paragraph 1 of G.O., No. 2177, Judicial department, dated 26th August 1884, I have the honor to request that the general duty deputy magistrate, Vizianagrum, in whose jurisdiction the factory is, may be appointed inspector under the Act.

(Signed) H. G. TURNER,
*Ag. District Magistrate.*

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ENCLOSURE.

From the Deputy Magistrate, Vizianagrum, to the Acting District Magistrate, Vizagapatam, dated Vizianagrum, 17th December 1884, No. 321.

With reference to your foot-note, dated 13th instant, to G.O., No. 2177, dated 26th August 1884, I have the honor to submit my report of inspection of the Chittivalsa factory, the only one in the district, belonging to Messrs. Arbuthnot and Co.

2. I inspected it on the afternoon of the 16th December 1884, between 1½ and 4 P.M; Mr. J. Innes, Manager of the Factory, was with me throughout the inspection and rendered me every assistance in my work.

3. It is, as you are aware, a gunny factory; jute and hemp are cleaned, twined, woven and made into bags. The engine is worked by steam, and its moving power is 77 nominal, and 220 actual, horse power.

4. The factory is closed during Sundays as well as on five English and ten Native holidays during the year. The working hours are from 5-50 A.M. to 5-50 P.M., with an interval of 1½ hours, from 12 to 1½ P.M., in the months of November to March, and of two hours, from 12 to 2 P.M., in the months of April to October, except on Saturdays, when it is closed at 4½ P.M., with an interval of only an hour at noon.

5. The average number of persons employed daily during the first eleven months of the year is 742, and the number of persons at work on the date of inspection is as follows :—

| | | | |
|---|---|---|---|
| Men | 12 to 16 | .. .. .. .. | 305 |
| | above 16 | .. .. .. .. | 318 |
| Women | 12 to 16 | .. .. .. .. | 11 |
| | above 16 | .. .. .. .. | 123 |
| | | | 757 |

No children are employed.

6. Mr. Hewetson last inspected this factory in March 1884.

7. It has not been cleaned subsequent to August 1883. It is white-washed once a year, but during the current year this work has not been done. Mr. Innes says that it will be commenced during the Christmas holidays. The latrines are as usual scoured by hot water that escapes from the engine.

8. The rooms of the building are properly ventilated. In the preparing room there is a great deal of dust and the workmen tie cloths over their mouths to prevent it getting in. I do not think that there is any harm in this, and they are quite used to it. The temperature in the working rooms at the time of inspection was 86°.

9. The machinery is fenced to a great extent, in some cases by iron rails, while in others by iron and wooden shields. There are, however, some wheels and other machinery which are not fenced and which cannot or need not be fenced. The workmen are quite familiar and they move about with ease. Mr. Innes says that there is danger in working the calenders, but it appears that they cannot be fenced, if work is to be conducted. Therefore, none but experienced men are allowed to handle them.

10. The occurrence of no accident has been reported, and there have been no prosecutions during the year.

11. Certificates are not granted in the form C appended to the rules, and no file of certificates is maintained as laid down by rule XIV. There are no certificates during the current year, but a list of persons "passed" by the medical officer up to 1883 is kept.

12. The registers in forms D and E are not kept as no children are employed.

13. The register of hours of employment is not in the form F.

14. The rules and forms with a translation are not kept hanging in a conspicuous place as laid down in rule XXIII. Mr. Innes says that he has not been supplied with a copy of the rules and forms.

(Signed) K. SUBBARAYUDU,
*Deputy Magistrate.*

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From the Commissioner of Police, to the Chief Secretary to Government, dated Madras, 31st March 1885, No. 19.

I have the honor to forward the Acting Deputy Commissioner's report on the working of the factories in the Madras city during the year 1884. Accidents have been more numerous; otherwise the report does not appear to me to demand further comment.

(Signed) T. K. GUTHRIE, Lieut.-Col.,
*Commissioner of Police.*

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ENCLOSURE.

From the Acting Deputy Commissioner of Police and Inspector of Factories, Madras, to the Commissioner of Police, dated Madras, 11th March 1885, No. 21.

I have the honor to report that the factories in the town were visited by me during the calendar year 1884, as stated below.



| Name of factory. | Date of inspection. | Number of times examined. |
|---|---|---|
| Buckingham Mill .. .. | 30th April 1884, 3rd May 1884, 13th October 1884, 30th December 1884. | 4 |
| Carnatic Mill .. .. | 19th March 1884, 29th September 1884, 30th December 1884. | 3 |
| Southern India Spinning and Weaving Company. | 17th March 1884, 28th March 1884, 9th May 1884, 29th July 1884, 21st October 1884. | 5 |
| Gunpowder Factory .. | 12th March 1884, 8th August 1884, 29th October 1884. | 3 |
| Gun Carriage Factory .. | 15th March 1884, 18th June 1884, 15th October 1884. | 3 |
| Massey's Iron Foundry .. | 22nd March 1884, 20th June 1884, 11th October 1884. | 3 |
| Madras United Spinning and Weaving Company. | 10th March 1884, 31st May 1884, 22nd October 1884. | 3 |
| Public Works Workshops.. | 12th March 1884, 25th June 1884, 7th October 1884. | 3 |
| Madras Harbour Works .. | 25th March 1884, 7th May 1884, 2nd October 1884.. | 3 |
| Arsenal .. .. .. | 8th March 1884, 10th May 1884, 6th October 1884.. | 3 |
| Cement Works .. .. | 22nd March 1884, 20th June 1884, 11th October 1884. | 3 |

2. *Accidents.*—There have been 40 accidents in all. Statement A shows in detail the number in each factory, and how they occurred, but I am glad to report that none of them proved fatal. The major portion of the accidents is attributed to the carelessness of the operatives themselves, who, it is said, attempted to clean the machines while in motion.

3. *Children.*—The Buckingham and Carnatic Mills have ceased to entertain children under 12 years of age since the 27th of September 1884. The reason given by the managers is that the employment of such juveniles does not pay. The children, it would appear, immediately upon obtaining age (12 years), having previously served their time of probation as it were, and learnt their work in the different departments, ask for wages paid only to adults, and, if their application for increase is not at once complied with, seek employment in the other mills. The discontinuance of the practice of entertaining children is in a manner to be regretted, for it is admitted by all the managers that hands so trained in all the branches of the industry, and accustomed to mill discipline, become as a rule the best servants. The Buckingham and Carnatic Mills, however, retain the children who were on their registers at the time the practice was stopped, and, as far as I can ascertain, they are well cared for. The children have been allowed the holidays prescribed by the Act. In January 1884, the Buckingham Mill had 47 (38 boys + 9 girls) children on its rolls, and the Carnatic Mill 130 children (107 boys + 23 girls). The year closed with 79 (74 boys + 5 girls) in the former, and 81 (64 boys + 17 girls) in the latter. During the year 210 (199 boys + 11 girls) children applied for employment, but were refused admission, as the medical officer certified them to be under 12 years of age.

4. The following table shows the number of persons employed at the end of the year, and the state of the factories with reference to sanitation and ventilation :—

| Name of district. | Name of factory. | Number of persons employed at the end of the year. | | | | Machinery whether fenced or not. | Ventilation and sanitation. |
|---|---|---|---|---|---|---|---|
| | | Adults. | | Juveniles. | | | |
| | | Men. | Women. | Male. | Female. | | |
| Madras .. | Buckingham Mill | 483 | 33 | 64 | 17 | Yes .. | Good. |
| Do. .. | Carnatic Mill .. .. .. .. | 373 | 36 | 74 | 5 | Do. .. | Do. |
| Do. .. | Southern India Spinning and Weaving Company. | 452 | 10 | .. | .. | Do. .. | Do. |
| Do. .. | Gunpowder Factory .. .. .. | 100 | 11 | .. | .. | Do. .. | Do. |
| Do. .. | Gun Carriage Factory .. .. .. | 413 | 1 | .. | .. | Do. .. | Do. |
| Do. .. | Massey's Iron Foundry .. .. | 137 | .. | .. | .. | Do. .. | Do. |
| Do. .. | United Spinning and Weaving Company. | 476 | 17 | .. | .. | Do. .. | Do. |
| Do. .. | Public Works Workshops | 228 | 2 | .. | .. | Do. .. | Do. |
| Do. .. | Harbour works .. .. .. .. | 137 | 6 | .. | .. | Do. .. | Do. |
| Do. .. | Arsenal .. .. .. .. .. | 681 | .. | .. | .. | Do. .. | Do. |
| Do. .. | Cement works .. .. .. .. | 37 | 12 | .. | .. | Do. .. | Do. |

5. *Sanitation.*—The latrines of the Madras United and Southern India Spinning and Weaving Mills were condemned by me during the year, as they were both faulty in construction, and, as far as the accommodation went, inadequate to requirements. A large and commodious convenience is now being erected at the former, and is fast approaching completion. The manager of the latter has obtained sanction from the head office for a new building, and awaits a plan from the municipality.

6. *Improvements.*—Hitherto the two grinding machines in Southern India Spinning and Weaving Mill were located in the carding room, which certainly was not conducive to the health of the workmen employed in the room, as they must have inhaled the dust and fluf flying off from the clearers and rollers, but during the year these machines were removed to a side room adjoining the carding room specially erected for the purpose.

*Mixing room.*—A large detached room has been erected some distance from the main building where all the cotton is now mixed, and whence it is carried to the blow room by means of a ten-inch pipe about 280 feet long. For this work one of Lord's exhaust machines was imported during the year. The cotton heretofore was mixed in the blow room, which is attached to the main building, but this was always considered dangerous. The present arrangement reduces the chances of the cotton in stock, and the yarn under preparation, being destroyed simultaneously in case of a fire.

7. *Chootay, or the Madras United Mill.*—The southern side of this mill has been enclosed by a high boundary wall securing with safety the large quantity of coal and firewood stored adjacent to it. The roofing of the second floor has had sky lights let into it, which has admitted more light into the centre of the building, where it was much needed. A large cistern has also been erected in the middle of the mill compound, and is filled with Red Hills water, whence the *employés* can procure their first supply of water in buckets in case of a fire. As stated in my last report this is the only mill that has on the premises a steam fire engine. This engine can be got ready in 20 minutes.

8. The Harbour and Cement Works Factories have done little or no work during the past year. The Buckingham Mill suspended work on the 20th November 1884, in order to carry out some repairs and alterations to the roofing. The tiled roof was removed, and substituted by corrugated iron sheets. Operations were resumed for a few days, when they were again suspended in consequence of a general strike among the workmen, who demanded higher wages and objected to the substitution of the daily wages system for monthly pay which had been in existence since the opening of the mill. Messrs. Binny and Co., the Agents, declined, I believe, to accede to their wishes, and having decided upon employing men from other places, have sent to Bombay for a supply of hands, hoping by this measure to impress upon the Madrasees the fact that the mill is not entirely dependent upon them.

(Signed) S. D. SIMPSON,
*Ag. Depy. Commr. of Police and Inspector of Factories.*

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From the District Magistrate, Tinnevelly, to the Chief Secretary to Government, dated Tinnevelly, 20th April 1885, No. 375.

Adverting to G.O., dated 5th March 1883, No. 625, Judicial, I have the honor to submit, herewith, copies of the reports, as per margin, of the Joint Magistrate and the General charge Deputy Magistrate, Tinnevelly, on the working of the Indian Factory Act XV of 1881, during the calendar year 1884.

Joint Magistrate, dated 21st February 1885, No. 16.
General charge Deputy Magistrate, dated 22nd March 1885, No. 56.

2. From the above reports it will be seen that there were two factories in the district in the year under report, of which A. and F. Harvey and Co. at Virudupati was taken under the purview of the Act only in May 1884 (*vide* G.O., Judicial, dated 18th April 1884, Mis. No. 952), and the General charge Deputy Magistrate was appointed as inspector for the purposes of the Act.

3. The factory at Tuticorin has not been inspected as often as required by the rules owing to frequent changes in the officers who had charge of the sub-division.

4. No children were employed in the factories, nor did any accidents of such a nature as to keep the sufferer away from his work occur in the year under report.



5. The premises of the factories were kept clean and the buildings well ventilated. The machinery of the Virudupati Factory is properly fenced, and that in the Tuticorin Factory, though not fenced, is reported to be not of such a nature or so arranged as to be likely to cause accidents.

6. Besides these factories, there are other cotton presses in Virudupati, Satúr, and Tuticorin which are not brought under the Act because they employ less than 100 coolies. I have asked the magistracy concerned to inspect them as soon as the working season commences, and to report as to the advisability or otherwise of their being taken under the Act.

7. I shall address the Government separately as soon as I receive their replies.

(Signed) J. LEE-WARNER,
*District Magistrate.*

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ENCLOSURES.

From the Acting Joint Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Tuticorin, 21st February 1885, No. 16.

I have the honor to submit the annual report due on the working of the Factory Act for the calendar year 1884.

2. The Tuticorin Cotton Press Company (Limited) continued to be the only factory under supervision.

3. I joined the district in August 1884 and inspected the factory twice, viz., on 30th August and 16th December. The factory was not inspected earlier in the year because none of the six officers who had charge of the Sub-Collectorate remained in charge for more than a few weeks.

4. Since the factory was brought under supervision the manager has not allowed any children to be employed. The provisions of the Act, which have for their object the protection of children, have, therefore, no application.

5. No accident has been reported during the year, and the manager states that none has occurred of such a nature as to keep the sufferer from his work.

6. None of the work people except engine-driver and stoker are allowed in the engine-room, and the machinery in the rooms where cotton cleaning and pressing are carried on, though not fenced, is not of such a nature or in such a position as to be likely to cause accidents. The long period during which there has been no accident seems sufficiently to indicate that additional precautions are not required.

7. At my inspection on 30th August I found 122 men and 20 women employed. On 16th December there were 103 men and 17 women.

8. No additional ventilation is called for, and I observed nothing unwholesome in the condition of the premises.

9. I see reason to question whether some of the other presses are not liable to be brought under the Act, and will make due enquiry as to the number of hands employed in each as soon as the working season commences.

(Signed) H. M. WINTERBOTHAM,
*Acting Joint Magistrate.*

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From the General Charge Deputy Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Sankaranainárkoil, 22nd March 1885, No. 56.

I have the honor to submit my report on the working of the factories in my division for the year 1884, with the usual statements.

2. There are in all three cotton presses, two at Virudupati and one at Satúr, as noted on the margin. Of these the first alone was taken under the Act on 3rd May 1884. The factory was inspected by me on two occasions, and again by Mr. Venga Pillai, while he was in charge of the division. As your letter, dated 3rd May last, reached

1. A. and F. Harvey and Co., Virudupati.
2. Southern Indian Press Company (Limited).
3. A. and F. Harvey and Co., Satúr.

the second quarter, no inspection could be made in that quarter as required by the Act. Copies of the inspection reports had been given to the agent of the factory, and I should think the proprietor of the press had been all along complying with the rules.

3. No children are employed in the factory, nor was there any accident in it during the year under report.

4. The factory premises have all along been kept clean, and the building is very well ventilated.

5. Virudupati being the centre of the cotton producing part in Tinnevelly is attracting the attention of some of the enterprising companies, and almost half-a-dozen of them have already started work in the division, of which we shall hear more by the end of this year.

6. Press No. II is going down. Press No. III at Satúr has just begun work. They are not brought under the Act as they employ less than 100 coolies.

7. The working season is from May to December, and, therefore, any inspection in the first quarter will be of very little use.

8. The statement for Press III has not yet been received from the proprietor though reminders have been sent to him. I shall submit a supplemental statement when the information is received.

(Signed) K. C. TIRUVIRARAJAN RAJAH,
*General Charge Deputy Magistrate.*

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From the District Magistrate of South Arcot, to the Chief Secretary to Government, dated Cuddalore, 27th May 1885, No. 33.

I have the honor, with reference to G.O., dated 5th May 1883, No. 625, Judicial, and to rule 6 of the rules embodied in G.O., dated 9th February 1882, No. 192, to forward, herewith, a report from the Deputy Magistrate General Duties, South Arcot, on the working of the Factories Act XV of 1881 during the calendar year ending 31st December 1884, together with an extract from the Register A and B.

2. The Deputy Magistrate, within whose range the Tiruvannanellur Factory is situated, has inspected it thrice during the year. The other factories in the district are situate at Nellikuppam and Bandipolliem. The latter is a new factory. It will probably not come under the provisions of the Act. The Nellikuppam Factory was not inspected by the Assistant Magistrate in whose jurisdiction it is situate, owing, apparently, to the changes of officers which took place during the year.

3. The statement of accidents herewith forwarded shows that they are all of a trivial nature, and not in any case due to the use of machinery.

4. The inspector has been requested to report whether the omissions noted in extract from Register B have been corrected.

5. The factory at Eruveliput was not registered under the Act, as the laborers employed in it were below 100 [*vide* clause (*b*) of section 2 of the Act].

(Signed) H. P. GORDON,
*District Magistrate.*

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ENCLOSURE.

From the Inspector of Factories and Deputy Magistrate of South Arcot, to the District Magistrate of South Arcot, dated Tirukoilur, 30th April 1885, No. 23.

I have the honor to submit my report on the working of the Factory Act for 1884.

2. There are two factories in the division. The Sugar Factory of Messrs. Parry and Co. at Tiruvannanellur was registered in 1881, and the other Sugar Factory of Messrs. Sabapathy Mudaliar and Co. at Eruveliput is not yet registered.



3. I inspected the former thrice in the year under report, and I submit, herewith, an extract from the Register B. As a rule boys and girls below the prescribed age are not employed in this factory.

4. Five accidents have been reported to me during the year. All of them are of trivial nature. However, all of them were sent to Tirukoilur Local Fund Dispensary for treatment, and they were treated there successfully. A statement showing the details of each is herewith submitted.

5. No prosecutions were ordered during the year.

6. I have visited on two occasions the factory at Eruveliput. The buildings were under repairs. The men employed on work were below 100. So no steps were taken to have it registered under the Act.

(Signed) KANCHI SUBBUROY PANTULU GARU,
*Inspector of Factories and Deputy Magistrate.*

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ORDER—dated 7th July 1885, No. 1760, Judicial.

The foregoing reports show that twenty-one factories falling within the scope of the Act were visited during the year, and that of these, twelve are situated in the Presidency town, and the rest distributed over the districts shown in the appendix.

2. The reports generally are satisfactory and show that attention is paid on the part of managers both to the guarding of the machinery and to the condition and ventilation of the buildings. The latrine-accommodation required at the Dowlaishvaram workshop should be provided at an early date. The question of fencing the cylinders in the Gunny Factory at Chittavalasa, which apparently requires further investigation, should be reported on more fully next year. The District Magistrate, Vizagapatam, will supply the necessary forms and rules to the manager of this factory, and will see that the prescribed registers are duly maintained. The recommendation made in paragraph 3 of the District Magistrate's letter is approved, and he will submit a draft notification for the appointment of the deputy magistrate.

3. Sixty-seven accidents are reported to have occurred. They were not of a serious nature, and none proved fatal. There were no prosecutions during the year.

4. The inspections in the districts are still far from satisfactory and compare unfavorably with those in the town of Madras. Laxity in this respect has led to certain factories in the districts of Bellary, Tinnevelly and South Arcot not having been inspected at all during the year. The new factories springing up in Tinnevelly should be closely watched. The cotton presses at Adóni should not be removed from the register till the inspector has personally satisfied himself that the number of operatives employed in each is below one hundred.

5. The three presses in Bellary town, which have been recently struck off the list, should be occasionally visited in view to their being restored to the control and supervision prescribed by the Act, as soon as they fulfil the necessary conditions. Similar remarks apply to the districts of Coimbatore, Malabar and Trichinopoly, where factories once on the list have been removed on similar grounds.

* End of March.

6. Although attention was drawn in the last review to the date * prescribed for the submission of these reports, the Government observe, with regret, that the report from the district of South Arcot was not received till fully two months after it became due and that, notwithstanding this delay, information is entirely wanting in regard to one of the two factories on the district list.

7. An inspection of the particulars given in the appendix show that some of the columns are blank, the necessary information not having been received. To avoid,

in future, the possibility of these omissions, it is directed that each report be accompanied by a statement similar to that furnished by the Deputy Commissioner of Police in paragraph 4 of his letter.

(True Extract.)

*Chief Secretary.*

To the Public Works department.
" Consulting Engineer for Railways.
" Commissioner of Police.
" District Magistrate of Bellary.
" " " of Godávari.
" " " of Kistna.
" " " of Vizagapatam.
" " " of Ganjam.
" " " of Tinnevelly.
" " " of South Arcot.

Copy to all other District Magistrates.



## APPENDIX.

| Name of district. | | Name of factory. | Number of hands employed. | Number of accidents. | Machinery, whether fenced or not. | Ventilation and sanitation. |
|---|---|---|---|---|---|---|
| Bellary .. | Adóni .. .. | Dymes & Co., Cotton Press. | | | | |
| | | Brunton & Co., Cotton Press. | .. | No particulars given. | | .... |
| | | Harvey and Sabapathy, Cotton Press. | | | | |
| | Bellary .. .. | Bellary Spinning and Weaving Mill. | 253 adults. 77 children. | *Nil.* | .... | Excellent. |
| Ganjam .. | Aska .. .. | Messrs. Minchin Brothers & Co., Sugar Factory. | 535 94 ju. | *Nil.* | Securely fenced. | Clean and well ventilated. |
| Godávari .. | Dowlaishvaram .. | Government Workshop. | 299 | One. | Do. .. | Well ventilated, latrine accommodation needed. |
| Kistna .. | Bezváda .. .. | Public Works Workshop. | 211 12 ju. | *Nil.* | .... | .... |
| Madras .. | Perambur .. .. | Railway Workshop. | 2,438 | 24 | Sufficiently fenced. | Good. |
| Vizagapatam .. | Chittivalasa .. | Messrs. Arbuthnot & Co., Gunny Factory. | 757 | *Nil.* | Sufficiently fenced to a great extent. | Properly ventilated. |
| Tinnevelly .. | Tuticorin .. .. | Cotton Press Company, Limited. | 131 | *Nil.* | Not fenced, but not likely to cause accidents. | Good. |
| .... | Virudapati .. .. | A. F. Harvey & Co., Cotton Press. | .. | *Nil.* | Properly fenced. | Clean and well ventilated. |
| Madras .. | .. | Buckingham Mill .. | 516 81 ju. | 3 | Fenced .. .. | Good. |
| | | Carnatic Mill .. | 409 79 ju. | 10 | Do. .. .. | Do. |
| | | South India Spinning and Weaving Company. | 462 | 7 | Do. .. .. | Do. |
| | | Gunpowder Factory. | 111 | 3 | Do. .. .. | Do. |
| | | Gun Carriage Factory. | 414 | 8 | Do. .. .. | Do |
| | | Massey's Iron Foundry. | 137 | .. | Do. .. .. | Do. |
| | | United Spinning and Weaving Company. | 493 | .. | Do. .. .. | Do. |
| | | Public Works Workshops. | 230 | 9 | Do. .. .. | Do. |
| | | Harbour Works .. | 143 | .. | Do. .. .. | Do. |
| | | Arsenal .. .. | 681 | .. | Do. .. .. | Do. |
| | | Cement Works .. | 49 | .. | Do. .. .. | Do. |
| Tanjore .. | Negapatam .. | South Indian Railway Locomotive Shops. | 1,527 | 2 | Sufficiently fenced. | Do. |
| South Arcot .. | Tiruvanamellur .. | Messrs. Parry and Company's Sugar Factory. | 204 | 5 | Boilers and furnaces require fencing. | .... |
| | Nellikuppam .. | .. | .. | Not inspected. | | .... |

2359 & 2360/85 B7

No. 1792 w a/ 30th July/85

B

Communicated to
officers of the P. W. Dept
concerned, and to all
S. Es for information
2. The S. E. I Circle
will take early steps
for the provision of
latrine accommodation
for the employés at
the Dowlaishweram
workshops.

Cd.
21.7.85

27.7.85

S. E. S. ✓

S. E. I.

Gobt. of {1885} Madras.

JUDICIAL.

P.W.C.
Requisition sent
for 4 C.C. dy 25/7/85

Issued

Recd. 20/7/85. Encl.

G.O., 7th July 1885, No. 1760.

No. 1792 w a/ 30th July/85

JULY.

**Factories.**

Reviewing the annual reports on the factories in this presidency for 1884.