From
The Supg. Engineer,
Fourth Circle.

Recorded

Cl.
23.4.84

Dated 20th
Recd 22nd } Septr. 184

No 430.

Accident to a woman cooly at Barur:-

Reports that the woman cooly at Barur is gradually improving and will probably have recovered in a fortnight.

No. 430
W.

Suptg. Engineer's Office IV Circle
Coimbatore, 20th September 1884

From

The Superintending Engineer
IV Circle

To

The Chief Engineer
P. W. Department

Sir,

With reference to para 2 of G. O. No. 2269 W. dated 15th September 1884 I have the honor to inform you that the Hospital Assistant at Barur reports that the woman is gradually improving and will probably have recovered in a fortnight.

I have the honor to be,
Sir,
Your Most obedt Servt,

L. Beatty - Col: R.E.
Superintending Engineer
IV Circle.

Dtd 7499

From (12)
The Supg. Engineer
IV Circle.

Dated 4th
Despd 6th
Recd } September 84

No. 414
E. W.

Encls: 2.

Serious accident -

Forwards a report from the Exc: Engr Barur Project Divn on a —— happened to a woman Cooly working on the Barur Tank Bund.

P. No 2269 W. 15-9-84

Recorded
A further report will be awaited

W.
9.9.84

W. 9.9.84

P.C.

B.R. 2360 W. 24-9-84.

Recorded
A further report will be awaited

P. No 2269 W. 15-9-1884

No. 414
E. W.

Encls: 2.

Serious accident -

Forwards a report from the Exc: Engr Barur Project Divn on a —— happened to a woman Cooly working on the Barur Tank Bund.

Dd 1579/84

SE IV Circle
with two Encls

O.D. 46/9
6-9-9-84.

Authorised

No 414
E. W. J.

Supg. Engineer's office 4th circle
Camp Cotacamund 4th Sept. 1884

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

As directed in paras 1,532-56 of the P. W. code, I have the honor to forward a report from the Executive Engineer Barur Project Division of a serious accident to a woman cooly when working on the Barur Tank Bund.

2. A further report will be furnished as soon as the final result of the accident is known.

I have the honor to be,
Sir,
Your most Obedt servant.
L. Beatty - Lt. Col. R.E.,
Supg. Engineer, 4th circle.

Enclos. 2
1. Letter No. 117 E.E. d/ 30/8/84 from Exr Engr Barur P.D.
1. Report from Village Magistrate in Vernacular
(To be obligingly returned)

G.W.C. No. [redacted]

Govt. of {1884} Madras.

PUBLIC.

Issued 16-9-84
Recd. [redacted] Encl.

G.O., 2nd September 1884, No. 1932.

SEPTEMBER.

Casualties.

Recirculating G.O., No. 495, of 1883, for information and guidance, and directing the heads of departments to use a certain form in reporting the death of uncovenanted officers.

No 2361 W. 24th Sept 84.

Communicated to the officers of the P. W. Dept for information

Lt Col C. Bowen Engr & Secy to Govt P.W.D.

Supt Engrs.
Consg. Architect & Govt Mistry
Supts [redacted]
Chief Engr for Irrign
Consg Engr for Ry
Exors on the State Ry
Dy Ch A
Exr State Ry Accts
Exr Guaranteed Ry Accts.
Exr P & C. Transhan

Remind e Offrs: dues 9/85

With Orders

No 414
E. W. J.

Supg. Engineer's office 4th Circle
Camp Cotacammnd 4th Septr. 1884

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

As directed in paras 1,532-56 of the P. W. code, I have the honor to forward a report from the Executive Engineer Barur Project Division of a serious accident to a woman cooly when working on the Barur Tank Bund.

2. A further report will be furnished as soon as the final result of the accident is known.

I have the honor to be,
Sir,
Your most Obedt. servant.
P. Beatty - Col. Rl.,
Supg. Engineer, 4th circle.

Encls. 2
1. Letter No 117 J. C. d/ 30/8/84 from Exc. Engr. Barur R.D.
1. Report from Village Magistrate in Vernacular (To be obligingly returned)

2ND SEPTEMBER 1884, No. 1932, PUBLIC.

GOVERNMENT OF MADRAS.

PUBLIC DEPARTMENT.

ORDER—dated 2nd September 1884, No. 1932, Public.

G.O., No. 495, Public, dated 7th March 1883, will be recirculated for information and guidance. When reporting the death of uncovenanted officers, heads of departments should use the accompanying form :—

Name.	Service.	Employment.	Date of casualty and cause.	Remarks: any near relatives in the United Kingdom and their addresses, if known.

(True Extract.)

Chief Secretary.

To all heads of departments.
Copies to departments of the Secretariat.

[Annexure.

ANNEXURE.

From the Secretary of State for India, to His Excellency the Most Honorable the Governor General of India in Council, dated India Office, London, 4th January 1883, No. 1 (Financial—Funds).

In reply to the letter of your Lordship's Government in the Public Works (Railway) department, No. 122, of the 10th October 1882, I request that, in accordance with the instructions contained in paragraph 3 of the despatch of the 28th April 1870, No. 18, in the Revenue and Forest department, all casualties by death among European members of the uncovenanted service may be included in the returns made to this office.

2. The reference in paragraphs 1 and 2 of the above despatch to members of the service appointed in England was not intended to limit the return to such persons, but to illustrate the necessity of a return for the whole service.

3. I request that you will draw the attention of the Governments of Madras and Bombay to this matter.

No. 1-51.

*Madras.	Central Provinces.
Bombay.	British Burma.
Bengal.	Assam.
North-Western Provinces and Oudh.	Coorg.
Punjab.	Hyderabad.

Copy forwarded to all * Local Governments and Administrations and to the several departments of the Government of India for information and guidance.

(By order of the Governor-General of India in Council.)

(Signed) G. S. FORBES,
Offg. Under Secy. to the Govt. of India.

HOME DEPARTMENT,
FORT WILLIAM, 23*rd February* 1883.

To the Secretary to the Government of Madras.

ORDER—dated 7th March 1883, No. 495, Public.

Communicated to the departments of the Secretariat for information and guidance.

(True Extract.)

E. F. WEBSTER,
Chief Secretary.

To the Revenue department.
" the Military "
" the Public Works department.
" all heads of departments under the Chief Secretary.

Exd. J. Henricus.

B. No 891 W. 17. 3. 83

Communicated to the Offices of the Bd dept for information

Govt. of {1884} Madras.

PUBLIC.

Issued

Recd. Encl.

G.O., 2nd September 1884, No. 1932.

SEPTEMBER.

Casualties.

Recirculating G.O., No. 495 of 1883, for information and guidance, and directing the heads of departments to use a certain form in reporting the death of uncovenanted officers.

With Order

2ND SEPTEMBER 1884, No. 1932, PUBLIC.

GOVERNMENT OF MADRAS.

PUBLIC DEPARTMENT.

ORDER—dated 2nd September 1884, No. 1932, Public.

G.O., No. 495, Public, dated 7th March 1883, will be recirculated for information and guidance. When reporting the death of uncovenanted officers heads of departments should use the accompanying form :—

Name
Probable age
Date and place of death
Occupation at time of death
Native village and country, if known
Particulars of family so far as known
If any relative in the country ?
If property left in whose custody ?
Remarks

(True Extract.)

F. Fuhrmann

Chief Secretary.

To all heads of departments.
Copies to departments of the Secretariat.

To be substituted for copy of same number and date.

ANNEXURE.

From the Secretary of State for India, to His Excellency the Most Honorable the Governor-General of India in Council, dated India Office, London, 4th January 1883, No. 1 (Financial—Funds).

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No. 1-51.

* Madras. Bombay. Bengal. North-Western Provinces and Oudh. Punjab.	Central Provinces. British Burma. Assam. Coorg. Hyderabad.	Copy forwarded to all * local Governments and Administrations and to the several departments of the Government of India for information and guidance.

(By order of the Governor-General of India in Council.)

HOME DEPARTMENT, (Signed) G. S. FORBES,
FORT WILLIAM, 23*rd February* 1883. *Offg. Under Secy. to the Govt. of India.*

To the Secretary to the Government of Madras.

ORDER—dated 7th March 1883, No. 495, Public.

Communicated to the departments of the Secretariat for information and guidance.

(True Extract.)

E. F. WEBSTER,
Chief Secretary.

To the Revenue department.
„ the Military „
„ the Public Works department.
„ all heads of departments under the Chief Secretary.

Exd C. Howarth.

Govt. of {1884} Madras.

PUBLIC.

Issued 16-9-84

Recd. Encl.

G.O., 2nd September 1884, No. 1932.

SEPTEMBER.

Casualties.

Recirculating G.O., No. 495, of 1883, for information and guidance, and directing the heads of departments to use a certain form in reporting the death of uncovenanted officers.

26th August 1884, No. 2177, Judicial.

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

Read—the following papers:—

From the Acting District Magistrate, Malabar, dated 23rd January 1884, No. 354.
From the District Magistrate, Madura, dated 8th February 1884, No. 12.
From the District Magistrate, South Canara, dated 1st March 1884, No. 503.
From the Acting District Magistrate, Salem, dated 25th March 1884, No. 259.
From the District Magistrate, Kurnool, dated 1st April 1884, No. 117.
From the District Magistrate, Coimbatore, dated 21st April 1884, No. 273.

Abstract.—Reporting that there are no factories in the district falling within the Act.

From J. HEWETSON, Esq., Inspector of Factories, Vizagapatam district, to the District Magistrate, Vizagapatam, dated Kottavalsa, 17th March 1884, No. 43.

With reference to G.O., No. 625, dated 5th March 1883, I have the honor to submit my report on the Chittivalsa factory, the only one in the district, for the year 1883.

2. The number of hands at present employed is 789—men 376, women 92, young persons (12 to 16) 321.

An account of the only accident that occurred during the year was included in my last report, dated 21st March 1883.

The arrangements for ventilation remain the same as already described except that the windows in the spinning and preparing rooms noted by Mr. Turner as not opening except for four panes have been made to open altogether.

The machinery is fenced. The gangways between the looms have been widened by 6 inches to meet Mr. Turner's remark.

The factory was cleaned throughout in July and August last.

No work is done on Sundays, nor on Saturdays after 4-30 P.M., and in addition 14 holidays were given on Native feast days last year.

With reference to paragraph 2 of G.O., No. 1504, dated 6th June last, you are already aware that the employment of children in this factory was discontinued when the Act came into force. The views of the manager on the point are given in paragraphs 7 and 8 of Mr. Turner's report embodied in G.O., No. 329, dated 9th February 1883.

No. 238.

Endorsement on the above.

Submitted to Government with reference to G.O., dated 5th March 1883, No. 625, Judicial.

(Signed) E. C. JOHNSON,
Ag. District Magistrate.

Vizagapatam,
22nd *March* 1884.

From A. J. B. ATKINSON, Esq., Acting District Magistrate, Tinnevelly, to the Chief Secretary to Government, dated Tinnevelly, 28th March 1884, No. 226.

In reference to G.O., No. 625, Judicial department, dated 5th March 1883, I have the honor to submit, herewith, copy of the Joint Magistrate's report on the working of the only factory at Tuticorin during 1883, under the Factories Act (XV of 1881). The report fully dwells upon each point, and there is very little left for me to add. The premises were kept clean, machinery, &c., well fenced and ventilation and sanitation received due attention. No children under 12 years of age were employed and there were no accidents. Requisite notices were hung up conspicuously, and the factory was twice inspected during the year by Messrs. Underwood and Rice. Average daily number throughout the year was 32 and 154 during the working season.

2. Messrs. A. and F. Harvey's Cotton Pressing Factory at Virudupati, which employs on an average 55 workmen daily throughout the year and 116 people in the working season, must be brought under the purview of the Act, and although the fact had been touched upon by Mr. Pennington in his letter embodied in the G.O., No. 329, Judicial, dated 9th February 1883, it was not included in the list appended to the Government order. Although the inspections were not made and no inspector was formally appointed for it, the general charge deputy magistrate, in whose division it lies, has obtained the required particulars, which I transcribe below for the information of Government.

3. The number of hands employed during the year is on an average 55 workmen daily. Dangerous portions of the machinery, &c., have been fenced. Ventilation is reported to be good and latrines for males and females have been erected. There have been three accidents. A fireman was scalded (not badly) by an accidental escape of steam in May 1883. In July of the same year, a cooly had a slight hurt to a tooth by a key from a cotton-box flying out, while in October another cooly bruised his finger when cleaning the wheels of the machine.

4. I am, however, addressing Government separately as to the advisability of bringing this factory under the Act.

ENCLOSURE.

From R. RICE, Esq., Joint Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Tuticorin, 11th February 1884, No. 26.

I have the honor to submit my annual report on the working of the Factory Act for 1883.

2. There is only one factory * in my division coming within the purview of the Act. I inspected it on the 8th December 1883. It was also inspected by my predecessor, Mr. Underwood, on the 1st March in the same year. At the time of my visit, 136 persons were at work on the premises, of whom 119 were men and 17 women. No children below 12 were employed, nor had any such been employed during the year.

* Tuticorin Cotton Press Company (Limited) at Tuticorin.

3. All machinery, &c., was securely fenced, and no accidents had occurred during the year.

4. Ventilation and sanitation is satisfactorily attended to.

5. All the requisite notices are hung up in conspicuous places in the factory.

6. Mondays are generally allowed as holidays, and no work takes place on Sundays.

7. The condition of the premises seemed in every way satisfactory, and I was most willingly and courteously shown over the whole of the factory by the manager.

Report on Railway Factories for the year 1883.

Each of the Railway factories has been inspected at least three times during the year.

No children are employed in any of them.

The machinery continues to be securely fenced and where new machines have been erected during the year the requirements of the Act have been complied with.

A statement of the accidents that have been reported during the year is appended.

MADRAS,
31*st March* 1884.

(Signed) C. J. SMITH, Lieut.-Col., R.E.,
Inspector of 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.
Madras ..	Perambur ..	Locomotive and Carriage shops.	2,438	13	..	..
Do. ..	Egmore ..	Do. ..	260	*Nil.*	Sufficiently fenced.	Good.
Tanjore ..	Negapatam ..	Do. ..	1,380	5	..	..

Detailed statement of factory accidents on the Madras and South Indian Railways for 1883.

Railway.	Factory.	Date. Month.	Date. Day.	Name and occupation.	Age.	Caste.	Sex.	Remarks.
					YRS.			
Madras Railway.	Perambur Workshops.	Jan.	19th	Manikum, cooly.	35	..	Male.	While carrying an iron plate to punching machine was injured by its falling upon his foot.
Do. ..	Do. ..	Do.	20th	Soobroyen, cooly.	..	..	Do.	While unloading truck was injured by a piece of iron falling on his foot.
Do. ..	Do. ..	June	16th	Chengalrayen, workman.	39	Hindu ..	Do.	While lifting a tyre slipped and was injured slightly.
Do. ..	Do. ..	Do.	28th	Moonesawmy, cooly.	28	Do. ..	Do.	While sharpening tool at grindstone had his fingers injured.
Do. ..	Do. ..	July	24th	Aroomoogum, cooly.	57	Do. ..	Do.	While sawing timber was injured slightly by his hand being caught between the timber and bench.
Do. ..	Do. ..	Aug.	3rd	Coopen, cooly.	29	Do. ..	Do.	Injured by falling from the top of a timber gyn.
Do. ..	Do. ..	Do.	8th	Ramasawmy, cooly.	35	Do. ..	Do.	While working at the top of a carriage was injured by falling from it, owing to a teak rile giving way.
Do. ..	Do. ..	Sept.	5th	Mooneappen, cooly.	..	Do. ..	Do.	Whilst a wagon was being lowered was severely injured by the bar of a lifting jack striking him. The man died subsequently.
Do. ..	Do. ..	Nov.	7th	E. Pereyra, fitter.	21	East Indian.	Do.	While working at the lathe was slightly injured by the slipping of a tool.
Do. ..	Do. ..	Do.	14th	Yellen, cooly.	24	Hindu ..	Do.	Injured by the handle of a hammer breaking.
Do. ..	Do. ..	Do.	20th	J. Batchelor, fitter.	58	East Indian.	Do.	Slipping into the iron tank of a postal van was slightly injured.

Detailed statement of factory accidents on the Madras and South Indian Railways for 1883—*continued*.

Railway.	Factory.	Date. Month.	Date. Day.	Name and occupation.	Age.	Caste.	Sex.	Remarks.
					YRS.			
Madras Railway.	Perambur Workshops.	Nov.	28th	G. B. Webb, chargeman; Perumall, fireman.	45 35	European .. Hindu ..	Male. Do.	Were injured by the blowing out of the plug of an injector cock of a stationery engine.
Do. ..	Do. ..	Dec.	13th	Ganapathy Achary, carpenter.	50	Do. ..	Do.	While getting out of carriage in the workshop's yard, a carpenter fell and fractured his forearm.
South Indian Railway.	Negapatam Workshops.	May	26th	Manikkam, blacksmith.	26	Kammalan.	Do.	While leaning against a drilling machine slipped, and his hand being caught between two cog-wheels was injured.
Do. ..	Do. ..	June	13th	Veerasawmy, striker.	21	Gentoo ..	Do.	While cutting a rivet in a tyre was injured by a piece of iron striking him near the eye.
Do.	Do. ..	Aug.	8th	Sawmy Rao, cooly.	30	Maharatta.	Do.	While lifting a casting his leg was broken by its falling on him.
Do.	Do. ..	Sept.	20th	Nagasawmy, fitter.	19	Gentoo ..	Do.	While lifting a brass excentric ring was injured by its falling on his foot.
Do.	Do. ..	Oct.	1st	Doorasawmy, carpenter.	27	Kammalan.	Do.	While fixing side rail bracket to a cotton truck was injured by its falling on his hand.

No. 95.

Endorsement on the above.

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

MADRAS, 31*st March* 1884.

(Signed) C. J. SMITH, Lieut.-Col., R.E., *Consulting Engineer for Railways.*

From H. ST. A. GOODRICH, Esq., District Magistrate of Bellary, to the Chief Secretary to Government, dated Rungapuram, 13th April 1884, No. 254.

I have the honor to submit, herewith, copy of my Head Assistant's report under the Factories Act for 1883.

2. Including the Bellary Spinning Mill newly brought on the register there were seven factories at the end of the year. From pressure of other work Mr. Russell was not able to inspect some of these factories more than once. I cannot recommend that the inspector be allowed to depute his powers to any other officer upon the staff of the district.

3. So far as this district is concerned the Act seems to have worked fairly well.

4. It seems that as the District Inspector of Factories states the cotton presses are not properly retained on the register.

5. With regard to the employment of children in the spinning mills it seems to be probable that their employment will be found desirable in order that the special dexterity which very early practice gives may be acquired. There will be no difficulty in arranging such children in gangs working alternate watches.

ENCLOSURE.

From S. RUSSELL, Esq., Acting Head Assistant Magistrate of Bellary, to the District Magistrate of Bellary, dated Bellary, 7th April 1884, No. 342.

With reference to your letter, No. 212, 29th March 1884, I have the honor to submit my report on the working of the Factories Act XV of 1881 for the calendar year 1883.

Factories registered under the Act.—There were six factories on the register at the beginning of the year under report. They were all cotton presses. The other was registered during the year, the spinning and weaving factory which commenced work in May last.

A statement showing the localities where the factories are situated, the several dates on which each was inspected by me, and the number of persons actually employed on the date of inspection, is appended :—

No. 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.
1	Adóni ..	Dymes and Co.'s Cotton Press	26th June 1883, 94 persons. Do.	6 ..
2	Do. ..	Brunton and Co.'s do.	26th June 1883, 26 persons.	4
3	Do. ..	Harvey and Sabapathy's Cotton Press	2nd May 1883. 22nd June 1883.	17 persons. 99 do. } 2
4	Bellary ..	Arbuthnot and Co.'s do.	10th December 1883. Do.	58 do. 0 61 respectively. ..
5	Do. ..	Dymes and Co.'s do.	2nd May 1883. 21st June 1883. 10th December 1883.	66 0 96 Do. 25 90
6	Do. ..	Harvey and Sabapathy's do.	23rd June 1883. 10th December 1883.	141 254 Do. 45
7	Do. ..	Bellary Spinning and Weaving Mill Factory ..		

The working season.—The working season in the cotton press factories commences generally in April and extends till August. Even during the season work is not constant, perhaps not more than 2 or 4 days per week, depending upon the supply of cotton. Hence certain presses were not at work when I inspected them. My remarks on inspection have been communicated to you already in separate proceedings.

Certifying Surgeons.—The Civil Surgeon in Bellary and the hospital assistant attached to the Municipal dispensary at Adóni were appointed certifying surgeons under the Act for the towns of Bellary and Adóni, respectively.

Holidays and working hours.—The factories' agents have fixed the four Sundays in the month as holidays to children.

Registers, &c.—As noted in my inspection proceedings the registers provided under the Act were not being maintained when I inspected them in June. There was an improvement on my subsequent inspection.

Ventilation and Sanitary arrangements.—Ventilation is generally good in all the presses. In the spinning mill the ventilation of the principal room where the work is carried on and the general arrangement of the place is excellent. At some of the cotton presses absence of latrines was pointed out.

Machinery whether fenced or not.—There is no dangerous machinery in any of the cotton presses. Arrangements are made in the spinning mill that only persons of experience shall approach the fly wheel. No orders have been made under section 12 of the Act.

Accidents.—One accident of a very slight nature occurred in Dymes and Co.'s Cotton Press Factory at Bellary on the 9th October. The party injured returned to duty within 48 hours.

Prosecutions.—No prosecutions were instituted under the Act during the year under report.

General remarks.—It has been ruled by Government in their order, dated 6th June 1883, No. 1504—1504-A, Judicial, paragraph 3, that to bring a factory on the register of factories it should employ 100 persons or more in each process and wherein steam, water, or other mechanical power must be used in aid of such process. According to this order the cotton presses of this district ought not to be on the register. It is true that on certain days more than 100 persons are employed within the factory compound. But of these, not more than 30 are employed in the work of pressing. All the others are employed either in picking the cotton or shaking or ginning in which operations no machinery is used.

The only real factory in the district is the spinning mill. The number of persons employed there on my date of inspection was 254 persons. Of these 82 were boys certified to be over 12 years' old. No children under 12 are employed in the factory. The manager refuses to employ them on the ground, as I understood from inquiry, that it would not pay to put them in charge of work which could only be attended to nine hours daily. I believe it is thought that ten hours per day is the least that would pay.

In regard to the working of the Act generally no complaint of any kind has been received from any of the agents of the factories in this district. It has not interfered with their work in any way except that in some cases agents of cotton presses have prevented mothers from bringing their children under 12 years to work within the factory compound. The agents, however, do not consider this any great grievance, but to a certain extent it is a grievance to the parents of the children. The Act, from a sanitary point of view, is very useful in that it submits the compounds to regular and periodical inspection.

I would again suggest that assistant inspector might be appointed or that the inspector might be empowered to depute a responsible officer to make the inspection required by the Act. There is no difficulty in inspecting factories situated within the inspector's own division, but it is some time an inconvenience to travel outside the division.

From R. W. FRAZER, Esq., Acting Head Assistant Magistrate and Inspector of Factories, Kistna, to the District Magistrate, Kistna, dated Masulipatam, 5th April 1884, No. 82.

I have the honor to submit my report under the Factories Act for the year 1883.

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

3. This factory was inspected in the year under report by Mr. Fiddian on the 17th September 1883, and an extract from the register B is herewith enclosed.

4. The rule as to posting up in a conspicuous place a notice of working hours and holidays as also of 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 pasted in a book.

6. It appears that the machinery was working at the time of Mr. Fiddian's inspection on the 17th September 1883.

7. A notice giving particulars as to the intervals for food and rest to children was also posted up in front of the factory (*vide* G.O., No. 1133, dated 25th April 1883.)

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

9. No prosecutions were ordered under the Act.

10. No accidents were reported in the year.

ENCLOSURE.

FORM B.

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 year 1883.

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.	17th September 1883.	156	..	8	..	Hours 6 A.M. to 6 P.M. with interval 11-30 A.M. to 2-30 P.M. Rules posted in English and Telugu. Machinery working; band of drill and of circular saw unfenced; apparently not dangerous; and no children admitted to that room. Children look well. (Sd.) J. P. F.

No. 300.

Endorsement on the above.

Submitted to Government. This is the only factory under the Act in the district.

MASULIPATAM,
18*th April* 1884.

(Signed) W. P. AUSTIN,
Acting District Magistrate.

From A. THOMPSON, Esq., Acting Senior Assistant Magistrate and Inspector of Factories, Ganjam, to the District Magistrate, Ganjam, dated Berhampore, 11th April 1884, No. 123.

I have the honor to submit my report on the working of the Factory Act for 1883-84.

2. There is no factory in my division, as at present constituted, coming under the Act, but by your letter, No. 4369, dated 12th December 1883, I was declared to continue to be the Inspector of the Sugar Factory at Aska belonging to the firm of Messrs. Minchin Brothers.

3. I inspected this factory on 4th March 1884. On the date of my inspection 661 persons were employed; no children within the meaning of the Act, that is persons under the age of 12 years, are employed, but a considerable number of the employés are juveniles between the ages of 12 and 16.

4. I found the factory, as usual, very clean and well ventilated. All dangerous portions of the machinery were, in my opinion, securely fenced, but I found an unfenced fly-wheel in the smith's shop. The fencing of this fly-wheel is obligatory under section 12 of the Act, and I therefore passed an order directing it to be fenced; a copy of this order has been already sent to you under rule XVIII. Messrs. Minchin Brothers informed me, in their letter of 10th March, that the fly-wheel in question had been fenced in accordance with my order.

5. They stated at the end of this letter that the threat held forth by me appeared somewhat unnecessary. This "threat" was the notice that if the work required were not completed within the time fixed, the person responsible would be prosecuted under

section 15. Under rule XI the giving of this notice is imperative, but I am decidedly of opinion that the rule should be relaxed, so as to leave it optional with the Inspector of Factories to give the notice except in cases where he may have reason to believe that his order would not otherwise be obeyed.

6. Six accidents have been reported to me during the year 1883. The details of each are given below:—

Name and date.	Caste.	Sex.	Age.	Nature of injury.	Remarks.
1. Ramasabu, 22nd February 1883.	Uriya ..	Male ..	YRS. 35	Very slightly scalded by steam on left forearm.	The accident was caused by carelessly opening the plug of a steam-pipe in one of the cane diffusers.
2. Magata, 26th April 1883 ..	Dandasi..	Do. ..	30	The great toe of the right foot slightly crushed by a pot of jaggery falling upon it.	The accidents were caused by carelessness.
3. Kodundi, 27th April 1883.	Telaga ..	Do. ..	22	The small toe of the right foot slightly crushed while working at the sugar truck.	
4. Panda Patro, 31st July 1883.	Golla ..	Do. ..	40	Slight injury to third and fourth fingers of left hand caused by a billet of wood falling on them.	
5. Kodundi, 28th November 1883.	Telaga ..	Do. ..	25	Compound fracture of the middle third of the right thigh caused by a fall from the first floor of diffusion house.	
6. Basu Bisoi	Kalingi..	Do. ..	25	Laceration of back of the left hand.	

No. 1120.

Endorsement on the above.

Submitted to Government with reference to G.O., 9th February, No. 329. I inspected the factory in June last and found it in good condition. I have little to add to Mr. Thompson's remarks.

2. There are no other factories in the district falling under the scope of the Act.

CHATRAPUR,
15*th April* 1884.

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

From Lieutenant-Colonel H. W. H. COX, Acting Commissioner of Police, to the Chief Secretary to Government, dated Madras, 3rd May 1884, No. 26.

I have the honor to forward the acting Deputy Commissioner's report on factories in Madras town for the official year 1883-84.

2. With reference to paragraph 8 of the report, I do not think that Act XV of 1881 contemplates such an examination of machinery and boilers as the Deputy Commissioner supposes. It is not a matter in which factory employés need protection as it is manifestly the interest of employers to keep their machinery, &c., in a safe and efficient condition.

3. Professional assistance is required by the Inspector of Factories only in the case of a difference of opinion between himself and the Superintendent of a Factory as to the sufficiency or otherwise of the fencing of machinery. Judging from past experience such a contingency is not likely to arise, but if Government consider that it should be provided for, the Executive Engineer, Presidency, might be directed to depute one of his assistants to assist the Inspector of Factories on the requisition of the latter officer.

ENCLOSURE.

From S. D. SIMPSON, Esq., Acting Deputy Commissioner of Police, to the Commissioner of Police, dated Madras, 29th April 1884, No. 23.

I have the honor to report that the factories in the town were visited by me during the past official year as stated below:—

Name of factory.	Date of inspection.	Number of times examined.
Buckingham Mill	16th August 1883, 20th December 1883, 31st December 1883.	3
Madras United Mill	5th July 1883, 10th November 1883, 10th March 1884.	2
Southern India Mill	2nd July 1883, 8th November 1883, 17th March 1884, 28th March 1884.	2
Gun Carriage Factory	6th July 1883, 12th November 1883, 15th March 1884.	2
Public Works Workshop	8th November 1883, 11th December 1883, 19th December 1883, 12th March 1884.	3
Gunpowder Factory	28th August 1883, 10th November 1883, 12th March 1884.	2
Arsenal	31st October 1883, 7th December 1883, 8th March 1884.	2
Massey's Iron Works	7th April 1883, 9th November 1883, 29th December 1883, 22nd March 1884.	3
Cement Works	13th April 1883, 9th November 1883, 29th December 1883, 22nd March 1884.	3
Carnatic Mill	6th December 1883, 20th December 1883, 19th March 1884.	2
Harbour Works	18th August 1883, 1st November 1883, 25th March 1884.	2 *

* No work has been carried on during the past year.

2. In last year's report certain suggestions made by the Deputy Commissioner (Major Heming) for reducing the number of inspections of the Crown and other factories were allowed to stand over pending further experience of the working of the present rules. I do not advocate any change in this respect.

3. The Carnatic Weaving Mill at Perambúr was opened by Binny and Co. during the past year, and was brought on my register on the 7th December 1883.

4. The Buckingham and the Carnatic Mills are the only factories that employ children above seven and under twelve years of age. In these two establishments the children are employed for nine hours daily, and are allowed the holidays prescribed for them in the Act. These mills are each under the superintendence of a European manager, and the children appear to be well cared for.

5. The following table shows the number of persons employed and the state of the factories with reference to sanitation and ventilation:—

Name of district.	Name of factory.	Number of hands employed.				Number of accidents.	Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Juveniles.				
		Men.	Women.	Boys.	Girls.			
Madras ..	Buckingham Mill	600	20	45	10	6		
Do. ..	Madras United Mill	468	15	..	..	2		
Do. ..	Southern India Mill	450	19	..	..	6		
Do. ..	Gun Carriage Factory	419	..	..	..	7		
Do. ..	Public Works Workshop	323	4	..	..	4		Do.
Do. ..	Gunpowder Factory	112	..	..	..	6	Do.	Do.
Do. ..	Arsenal	626	..	..	..	2	Do.	Do.
Do. ..	Massey's Iron Works	207	..	..	..	3	Do.	Do.
Do. ..	Cement Works	147	52	..	..	*Nil.*	Alterations going on	Do.
Do. ..	Carnatic Mill	572	57	53	11	5	Yes.	Do.
Do. ..	Harbour Works	300	20	..	..	*Nil.*	Do.	Do.

* One fatal death resulted from tetanus arising from an injury to his left wrist by being accidentally knocked down by a bale of cotton which was being rolled into the premises.

6. The high temperature in the working rooms complained of by Major Heming last year still exists, but I am glad to report that there is much improvement in the Choolay (Madras United) Mill since some alterations made there during the past year.

7. The Ráyapuram (Southern India) and the Carnatic Mills have no fire engines, while the one at Choolay (Madras United) has an efficient steam fire engine, which can be got ready and made use of in twenty minutes. I am of opinion that a steam fire engine is very essential at each mill where a large quantity of cotton is stored throughout the year, and I have impressed it upon the managers of the mills that are without them, how necessary it is to have such, and I am in hopes that before long each mill will be provided with one.

8. I am also of opinion that the engines, boilers, and machinery should be examined at leas once a year, or whenever the Inspector may think it necessary. Rule VIII made by the Righ Honorable the Governor in Council, under section 18 of the Factories Act, provides that the Inspector may be assisted by any person whom he may deem qualified to give a professional opinion as to the secure fencing of machinery and mill-gearing, but section 4 of the Act apparently contemplates a more extended examination of the plant and machinery when deemed necessary, and occasion may arise on which a professional opinion would materially aid the Inspector in the discharge of his duty; indeed such an opinion might well be indispensable to a decision on any suspected defect, or to satisfy the Inspector as to the absence of defect; I would therefore respectfully ask instructions as to what Government official should be invited to give such assistance, or whether it is intended that any qualified Engineer or mechanic be so employed by the Inspector, and if so what his remuneration should be, and where the funds are to come from.

From H. SEWELL, Esq., District Magistrate, Trichinopoly, to the Chief Secretary to Government, dated Trichinopoly, 11th July 1884, No. 2340.

Adverting to the Proceedings of Government, Judicial department, No. 625, dated the 5th March 1883, I have the honor to submit my report on the working of the Indian Factories Act in the district for the calendar year 1883.

2. There is one screw cotton press worked by hand in the town of Trichinopoly, owned by Messrs. Framjee and Company. It worked only for $57\frac{1}{4}$ days during the year under report. The average number of coolies employed therein daily was 92, which included men and children. These coolies were engaged, only temporarily, on those days the press was at work.

One manager.	One blacksmith.
One carpenter.	One watchman.

3. The permanent establishment maintained in the press is given in the margin.

4. I do not think that the press falls under the operation of the Indian Factories Act (XV of 1881). According to section 2, a factory should have worked for not less than four months in any one year, and the number of persons employed simultaneously should not have been less than 100 to bring it under the Act. Neither of these conditions is fulfilled as regards this press.

5. A statement showing the number of days the press worked, the number of coolies, men and children, employed in the press is herewith submitted.

6. The total number of bales turned out in the press during the year was 1,460, of which 758 bales belonged to the firm.

7. I request instructions as to whether this cotton press should be treated as one falling under the Act.

8. Besides this there were no other factories at work during the year.

From W. P. AUSTIN, Esq., Acting District Magistrate, South Arcot, to the Chief Secretary to Government, dated Cuddalore, 17th July 1884, No. 64.

I have the honor, with reference to G.O., dated 5th March 1883, No. 625, Judicial, and to rule 6 of the rules embodied in G.O., dated 9th February 1882, No. 193, to forward herewith reports, as per margin, of the divisional officers on the working of the Indian Factory Act XV of 1881 during the calendar year ending 31st December 1883.

Joint Magistrate, dated 11th August 1883, No. 104.
Joint Magistrate, dated 16th August 1883, No. 106.
Head Assistant Magistrate, dated 25th April, No. 83.
Head Assistant Magistrate, dated 6th May 1883, No. 91.
Deputy Magistrate, dated 26th September 1883, No. 131.

2. The chief feature during the year under report is that all the divisional officers have been made inspectors of factories since the receipt of the G.O., dated 6th August 1883, Mis. No. 2067, Judicial department.

3. An extract from registers A and B is submitted herewith, and a copy of the order referred to in register B as having been passed by Mr. Hebbert was already forwarded to Government with this office letter, dated 26th May 1883, No. 45.

ENCLOSURES.

FORM A.

Serial number.	Village and taluk in which factory is situated.	Name or description of factory.	Nature of business carried on.	Name of proprietors.	Name of resident manager or occupier.	Number of persons ordinarily employed.				Nature and amount of moving power thereon.	Dates of inspection during the year.
						Adults.		Children.			
						Men.	Women.	Male.	Female.		
1	Nellikuppam in the Cuddalore taluk.	Sugar manufactory and refinery and spirit distillery.	Manufacture and refinery of sugar and distillation of spirit.	Messrs. Parry and Co.	Mr. F. N. G. Gill.	262	88	None.	None.	Steam-power 50—110 horse power.	5th March 1883, by the Assistant Collector.
2	Tiruvennanallúr, Tirukoilúr taluk.	Sugar manufactory and refinery, arrack distillery.	Sugar manufactory and refinery and distillation of arrack.	Messrs. Parry and Co.	Mr. Edward Gill.	252	12	Do.	Do.	Steam-power 18 horse.	7th March 1883, by the Assistant Collector.
..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	252	12	Do.	Do.	Do. ..	23rd March 1883, by the Assistant Collector.

(Signed) F. E. K. WEDDERBURN,
Assistant Collector.

From M. R. WELD, Esq., Acting Joint Magistrate, South Arcot, to the District Magistrate South Arcot, dated Manjakuppam, 11th August 1883, No. 104.

I have the honor to report that I inspected the factory at Nellikuppam on the 6th instant, and to forward a statement furnishing the information on the points called for by Government.

2. The machinery is well fenced, and there have been no accidents since that mentioned in the last report. The sanitation is good and everything clean. No children are employed.

The number of hands employed in April, May, June, and July is given in the margin from information supplied me by Messrs. Parry's Agent in charge of the factory. In the statement the number of hands at work on the date of my inspection is entered.

	Number of men.	Number of women.
April	13,020	2,970
May	13,454	3,069
June	8,910	1,650
July	9,207	1,705
Total ..	44,591	9,394

Name of district.	Name of factory.	Number of hands employed.	Number of accidents.	Machinery, whether fenced or not.	Ventilation and sanitation.
South Arcot	1. Nellikuppam ..	Men .. 307 Women .. .. 55 Total .. 362	None	Fenced ..	Good.

Date of inspection, 6th August.

From M. R. WELD, Esq., Acting Joint Magistrate, South Arcot, to the District Magistrate, South Arcot, dated Villupuram, 16th August 1883, No. 106.

I have the honor to report that I inspected the factory at Tiruvennanallúr on the 15th instant, and to forward a statement furnishing the information on the points called for by Government.

2. There are 186 males and 11 females employed. No children are employed.

3. Since the last inspection on the 23rd April 1883 there have been two accidents as shown in the margin. Neither was due to want of fencing. Both were reported to the divisional officer.

4. The machinery is properly fenced and the sanitation is good.

Accidents.

1. 13th May 1883. M. Subbaroyen, male, 25 years, leg scalded by water of boiler while blowing off. Sent to Tirukoilúr hospital.
2. 3rd July 1883. Parasuraman, male, 30 years. The right hand was caught in one of the centri fugal machines as he was carelessly throwing water on it. Sent to Tirukoilúr hospital.

STATEMENT furnishing the information regarding the factory at Tiruvennanallúr.

Name of district.	Name of factory.	Number of hands employed.	Number of accidents since last inspection on the 23rd April 1883.	Machinery, whether fenced or not.	Ventilation and sanitation.
South Arcot	Tiruvennanallúr ..	Men .. 186 Women .. .. 11 Total .. 197	2	Yes	Good.

Date of inspection, 15th August 1883.

From K. SUBBAROW PANTULU GARU, Deputy Magistrate, South Arcot, to the District Magistrate, South Arcot, dated Elavánásur, 26th September 1883, No. 131.

I have the honor to inform you that I examined the sugar factory at Tiruvennanallúr on the 22nd instant, and to submit for your perusal a copy of the remarks made by me.

Adverting to your docket, No. 343, dated 11th instant, I have the honor to inform you that

2. Out of the remarks, I communicated to the Agent the first four paragraphs. As to the last or 5th paragraph, I beg to be informed whether the remarks therein contained are correct, and whether I can communicate the same to the Agent, Mr. Gill.

B.

Register of Inspections of Factories.

Under Rule 9 of the Rules made under Section 18 of the Indian Factories Act, 1881.
District, South Arcot. 1883. Division, General Duty Deputy Magistrate's.

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 and Orders.
				Adults.		Children.		
				Men.	Women.	Males.	Females.	
1	Sugar factory.	E. I. G. Gill, Esq., Agent.	22nd Sept. 1883.	Factory .. 30 Distillery .. 24 Building, &c. .. 136 190	.. .. 20 20	.. ..	.. ..	1. No registers in the forms D and E are kept (see rule XV). 2. No file of certificates in the form C is available for inspection (see rule XIV).

3. A printed or written notice in English and the vernacular of the daily working hours of the factory in form F is not maintained in a conspicuous place in the factory (see rule XVI).

4. A legible copy of the rules and forms, with a translationt hereof in Tamil, is not kept hanging in a conspicuous place (see rule XXIII). The Agent will kindly see that these omissions are brought up within a week.

5. The Agent has given orders to his manager to give information only as regards the part of the factory where steam-power is used, and that he said that the Factories Act applies not to the places where the steam-power is not used. According to this order, the laborers employed on sugar-boiling, spinning, sugar-bagging, steam-boilers, &c., who work in the building where steam-power is used, came only to 30 on this date. I have found in other parts of the factory carpenters, smiths, and brick-layers working, and also persons engaged in preparing bone charcoal for filtering the juice of sugarcane, all in connection with the sugar factory and distillation of arrack. They are about 156. So the laborers employed on this date in the different premises of the factory comes to 210. I regret that I am unable to concur with the Agent on reference to section 2 and paragraph 5 of the Bellary District Magistrate's letter read in G.Os., Nos. 1504 and 1504-A, Judicial, dated 6th June 1883. I am glad to find that, as a rule, the Agent has dispensed with the services of the children in the part of the factory where the steam-power is used. He seems to have adopted the same principle on all works incidental to the factory. Of the laborers working in the workshop where sugar-boilers, &c., are manufactured, the following appears to me below 12 years of age, though the manager and the lads said they are above 12 years. It is advisable to have their ages certified by a medical officer, and I therefore direct, under section 4 (*c*) of the Factories Act, that—

Workshop department .. { 1. Arumugam, 2. Ekambaram,
Preparing bone charcoal department. { 1. Krishnan, 2. Kamakshi,

shall not be employed until their ages have been certified by a certifying surgeon.

ORDER—dated 26th August 1884, No. 2177, Judicial.

The foregoing reports show that excluding the town of Madras the factories falling within the scope of the Act exist in seven districts only in the presidency. In Coimbatore and Malabar, the District Magistrates have, with advertence to the opinion expressed in the review of last year, ceased to continue under inspections the factories in those districts. The cotton presses at Bellary and Trichinopoly, may be withdrawn from the operation of the Act, if fewer than one hundred persons are engaged on any one of the processes employed therein. Persons engaged inside the building cleaning the cotton preparatory to pressing the same should be held to be working within the factory.

The reports generally are satisfactory, and show that the factories under inspection are well managed, the machinery sufficiently fenced, and the premises in good order. Under rule VII of the rules framed under the Act, inspections should take place at least three times in every calendar year; the Government trust that there will be a more careful observance of this rule in future. In cases where the factories are situated outside the Head Assistant's or Joint Magistrate's divisions, the Government are ready to sanction the appointment either of the Assistant Magistrate or a Deputy Magistrate as inspector under the Act.

2. Seventy-two accidents are reported to have occurred, of which two terminated fatally, most of the rest being of a trivial nature.

3. The inspector in the Bellary district suggests the appointment of assistant inspectors, the Government, however, do not deem this necessary. As to the relaxation suggested by the Ganjam inspector in regard to rule XI, it is observed that the issue of an order under section 12, clause (*c*) of the Act is optional on the part of the inspector, and probably in most cases it will be found sufficient to draw attention to the section to secure the necessary action being taken on the part of any manager of a factory; but if it be found necessary to issue an order under the rules, it is certainly right that the consequence of non-compliance with the order should be communicated at the same time. The Government do not consider the appointment of a professional assistant to aid the Inspector of Crown Factories, Madras town, necessary; in any special case where such assistance may be required, the inspector should apply to Government, who will direct the same to be given, if necessary.

4. The attention of the Deputy Commissioner will be drawn to the fact that the reports should deal with the calendar and not the official year (G.O., 9th February 1882, No. 193, paragraph 6). Several reports have reached Government at a very late date, and all officers should note the provisions of G.O., 5th March 1883, No. 625, Judicial, the instructions conveyed therein should be followed in future.

(True Extract.)

E. F. WEBSTER,
Chief Secretary.

To all District Magistrates.
" the Public Works department.
" the Consulting Engineer for Railways.
" the Commissioner of Police.

[Annexure.

ANNEXURE.

List of Factories.

Name of District.	—	Name of Factory.	Number of Hands employed.	Number of Accidents.	Machinery whether fenced or not.	Ventilation and Sanitation.
Bellary ..	Adoni ..	Dymes and Co.'s Cotton Press	94	..	No dangerous machinery in use.	Ventilation generally good.
		Brunton and Co.'s Cotton Press	94	..	Do. ..	Do.
		Harvey and Sabapathy's Cotton Press	26	..	Do. ..	Do.
	Bellary ..	Arbuthnot and Co.'s Cotton Press	58	..	Do. ..	Do.
		Dymes and Co.'s Cotton Press	63	1	Do.	Do.
		Harvey and Sabapathy's Cotton Press	93	..	Do. ..	Do.
		Bellary Spinning and Weaving Mill Factory	197	..	..	Excellent.
Ganjam ..	Aska ..	Messrs. Minchin Brothers, Sugar Factory ..	661	6	Dangerous portions securely fenced except a fly-wheel, in respect to which an order under section 12 of the Act was passed.	Very clean and well ventilated.
Kistna ..	Bezvâda ..	Public Works Workshop	156	Nil.	Band of drill and of circular saw (apparently not dangerous), unfenced.	..
Madras ..	Perambûr	Locomotive and Carriage Shops	2,438	13	Sufficiently fenced ..	Good.
	Egmore ..	Locomotive and Carriage Shops	260	Nil.		
Tanjore ..	Negapatam	Locomotive and Carriage Shops	1,380	5		
Tinnevelly	Tuticorin	Cotton Press Company (Limited)	154 during working season.	None.	Securely fenced ..	Satisfactorily attended to.
	Virudupati	Cotton Press Factory (Messrs. A. and F. Harvey's	116 during working season.	3	Fenced ..	Good.
Vizagapatam	Chittivalsa	Messrs. Arbuthnot and Co.	789	1	Do. ..	..
Madras ..	..	Buckingham Mill ..	620	6	Do. ..	Good.
		Madras United Mill ..	483	2	Do. ..	Do.
		Southern India Mill ..	469	6	Do. ..	Do.
		Gun Carriage Factory ..	419	7	Do. ..	Do.
		Public Works Workshop.	327	4	Do. ..	Do.
		Gunpowder Factory ..	112	6	Do. ..	Do.
		Arsenal	626	2	Do. ..	Do.
		Massey's Iron Works ..	207	3	Do. ..	Do.
		Cement Works	199	Nil.	Alterations going on.	Do.
		Carnatic Mill	629	5	Fenced.	Do.
		Harbour Works	329	Nil.	Do. ..	Do.
Trichinopoly	..	Messrs. Framjee and Co.	92	..	.. ..	..
South Arcot	Nellikuppam ..	Nellikuppam	362	None.	Fenced ..	Good.
	Tiruvennanallûr ..	Tiruvennanallûr	197	2	Do. ..	Do.

Exd.A. F. Goodall.

Ro 235 pts. 24. 9. 84.
Commd to Offices
of the P.W. Deptt.
Concerned.
1/29 CB.
D.Y.W.

Govt. of {1884} Madras.

JUDICIAL.

Issued

Recd. *Encl.*

G.O., 26th August 1884, No. 2177.

B/2359 W
24.9.84

AUGUST.

Factories Act.

Reviewing the reports on the working of the — for 1883.

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

READ—the following papers:—

From the Acting District Magistrate, Malabar, dated 23rd January 1884, No. 354.
From the District Magistrate, Madura, dated 8th February 1884, No. 12.
From the District Magistrate, South Canara, dated 1st March 1884, No. 503.
From the Acting District Magistrate, Salem, dated 25th March 1884, No. 259.
From the District Magistrate, Kurnool, dated 1st April 1884, No. 117.
From the District Magistrate, Coimbatore, dated 21st April 1884, No. 273.

ABSTRACT.—Reporting that there are no factories in the district falling within the Act.

From J. HEWETSON, Esq., Inspector of Factories, Vizagapatam district, to the District Magistrate, Vizagapatam, dated Kottavalsa, 17th March 1884, No. 43.

With reference to G.O., No. 625, dated 5th March 1883, I have the honor to submit my report on the Chittivalsa factory, the only one in the district, for the year 1883.

2. The number of hands at present employed is 789—men 376, women 92, young persons (12 to 16) 321.

An account of the only accident that occurred during the year was included in my last report, dated 21st March 1883.

The arrangements for ventilation remain the same as already described except that the windows in the spinning and preparing rooms noted by Mr. Turner as not opening except for four panes have been made to open altogether.

The machinery is fenced. The gangways between the looms have been widened by 6 inches to meet Mr. Turner's remark.

The factory was cleaned throughout in July and August last.

No work is done on Sundays, nor on Saturdays after 4-30 P.M., and in addition 14 holidays were given on Native feast days last year.

With reference to paragraph 2 of G.O., No. 1504, dated 6th June last, you are already aware that the employment of children in this factory was discontinued when the Act came into force. The views of the manager on the point are given in paragraphs 7 and 8 of Mr. Turner's report embodied in G.O., No. 329, dated 9th February 1883.

No. 238.

Endorsement on the above.

Submitted to Government with reference to G.O., dated 5th March 1883, No. 625, Judicial.

(Signed) E. C. JOHNSON,
Ag. District Magistrate.

VIZAGAPATAM,
22*nd March* 1884.

From A. J. B. ATKINSON, Esq., Acting District Magistrate, Tinnevelly, to the Chief Secretary to Government, dated Tinnevelly, 28th March 1884, No. 226.

In reference to G.O., No. 625, Judicial department, dated 5th March 1883, I have the honor to submit, herewith, copy of the Joint Magistrate's report on the working of the only factory at Tuticorin during 1883, under the Factories Act (XV of 1881). The report fully dwells upon each point, and there is very little left for me to add. The premises were kept clean, machinery, &c., well fenced and ventilation and sanitation received due attention. No children under 12 years of age were employed and there were no accidents. Requisite notices were hung up conspicuously, and the factory was twice inspected during the year by Messrs. Underwood and Rice. Average daily number throughout the year was 32 and 154 during the working season.

2. Messrs. A. and F. Harvey's Cotton Pressing Factory at Virudupati, which employs on an average 55 workmen daily throughout the year and 116 people in the working season, must be brought under the purview of the Act, and although the fact had been touched upon by Mr. Pennington in his letter embodied in the G.O., No. 329, Judicial, dated 9th February 1883, it was not included in the list appended to the Government order. Although the inspections were not made and no inspector was formally appointed for it, the general charge deputy magistrate, in whose division it lies, has obtained the required particulars, which I transcribe below for the information of Government.

3. The number of hands employed during the year is on an average 55 workmen daily. Dangerous portions of the machinery, &c., have been fenced. Ventilation is reported to be good and latrines for males and females have been erected. There have been three accidents. A fireman was scalded (not badly) by an accidental escape of steam in May 1883. In July of the same year, a cooly had a slight hurt to a tooth by a key from a cotton-box flying out, while in October another cooly bruised his finger when cleaning the wheels of the machine.

4. I am, however, addressing Government separately as to the advisability of bringing this factory under the Act.

Enclosure.

From R. RICE, Esq., Joint Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Tuticorin, 11th February 1884, No. 26.

I have the honor to submit my annual report on the working of the Factory Act for 1883.

2. There is only one factory * in my division coming within the purview of the Act. I inspected it on the 8th December 1883. It was also inspected by my predecessor, Mr. Underwood, on the 1st March in the same year. At the time of my visit, 136 persons were at work on the premises, of whom 119 were men and 17 women. No children below 12 were employed, nor had any such been employed during the year.

* Tuticorin Cotton Press Company (Limited) at Tuticorin.

3. All machinery, &c., was securely fenced, and no accidents had occurred during the year.

4. Ventilation and sanitation is satisfactorily attended to.

5. All the requisite notices are hung up in conspicuous places in the factory.

6. Mondays are generally allowed as holidays, and no work takes place on Sundays.

7. The condition of the premises seemed in every way satisfactory, and I was most willingly and courteously shown over the whole of the factory by the manager.

Report on Railway Factories for the year 1883.

Each of the Railway factories has been inspected at least three times during the year.

No children are employed in any of them.

The machinery continues to be securely fenced and where new machines have been erected during the year the requirements of the Act have been complied with.

A statement of the accidents that have been reported during the year is appended.

Madras, 31*st March* 1884.

(Signed) C. J. SMITH, Lieut.-Col., R.E.,
Inspector of 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.
Madras ..	Perambur ..	Locomotive and Carriage shops.	2,438	13	..	..
Do. ..	Egmore ..	Do. ..	260	*Nil.*	Sufficiently fenced.	Good.
Tanjore ..	Negapatam ..	Do. ..	1,380	5	..	..

Detailed statement of factory accidents on the Madras and South Indian Railways for 1883.

Railway.	Factory.	Date. Month.	Date. Day.	Name and occupation.	Age.	Caste.	Sex.	Remarks.
					yrs.			
Madras Railway.	Perambur Workshops.	Jan.	19th	Manikum, cooly.	35	..	Male.	While carrying an iron plate to punching machine was injured by its falling upon his foot.
Do. ..	Do. ..	Do.	20th	Soobroyen, cooly.	..	..	Do.	While unloading truck was injured by a piece of iron falling on his foot.
Do. ..	Do. ..	June	16th	Chengalrayen, workman.	39	Hindu ..	Do.	While lifting a tyre slipped and was injured slightly.
Do. ..	Do. ..	Do.	28th	Moonesawmy, cooly.	28	Do. ..	Do.	While sharpening tool at grindstone had his fingers injured.
Do. ..	Do. ..	July	24th	Aroomoogum, cooly.	57	Do. ..	Do.	While sawing timber was injured slightly by his hand being caught between the timber and bench.
Do. ..	Do. ..	Aug.	3rd	Coopen, cooly.	29	Do. ..	Do.	Injured by falling from the top of a timber gyn.
Do. ..	Do. ..	Do.	8th	Ramasawmy, cooly.	35	Do. ..	Do.	While working at the top of a carriage was injured by falling from it, owing to a teak rile giving way.
Do. ..	Do. ..	Sept.	5th	Mooneappen, cooly.	..	Do. ..	Do.	Whilst a wagon was being lowered was severely injured by the bar of a lifting jack striking him. The man died subsequently.
Do. ..	Do. ..	Nov.	7th	E. Pereyra, fitter.	21	East Indian.	Do.	While working at the lathe was slightly injured by the slipping of a tool.
Do. ..	Do. ..	Do.	14th	Yellen, cooly.	24	Hindu ..	Do.	Injured by the handle of a hammer breaking.
Do. ..	Do. ..	Do.	20th	J. Batchelor, fitter.	58	East Indian.	Do.	Slipping into the iron tank of a postal van was slightly injured.

Detailed statement of factory accidents on the Madras and South Indian Railways for 1883—*continued*.

Railway.	Factory.	Date. Month.	Date. Day.	Name and occupation.	Age.	Caste.	Sex.	Remarks.
Madras Railway.	Perambur Workshops.	Nov.	28th	G. B. Webb, chargeman; Perumall, fireman.	yrs. 45 / 35	European .. / Hindu ..	Male. / Do.	Were injured by the blowing out of the plug of an injector cock of a stationery engine.
Do. ..	Do. ..	Dec.	13th	Ganapathy Acharry, carpenter.	50	Do. ..	Do.	While getting out of carriage in the workshop's yard, a carpenter fell and fractured his forearm.
South Indian Railway.	Negapatam Workshops.	May	26th	Manikkam, blacksmith.	26	Kammalan.	Do.	While leaning against a drilling machine slipped, and his hand being caught between two cog-wheels was injured.
Do. ..	Do. ..	June	13th	Veerasawmy, striker.	21	Gentoo ..	Do.	While cutting a rivet in a tyre was injured by a piece of iron striking him near the eye.
Do.	Do. ..	Aug.	8th	Sawmy Rao, cooly.	30	Maharatta.	Do.	While lifting a casting his leg was broken by its falling on him.
Do.	Do. ..	Sept.	20th	Nagasawmy, fitter.	19	Gentoo ..	Do.	While lifting a brass excentric ring was injured by its falling on his foot.
Do.	Do. ..	Oct.	1st	Doorasawmy, carpenter.	27	Kammalan.	Do.	While fixing side rail bracket to a cotton truck was injured by its falling on his hand.

No. 95.

Endorsement on the above.

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

MADRAS, 31*st March* 1884.

(Signed) C. J. SMITH, Lieut.-Col., R.E., *Consulting Engineer for Railways.*

From H. ST. A. GOODRICH, Esq., District Magistrate of Bellary, to the Chief Secretary to Government, dated Rungapuram, 13th April 1884, No. 254.

I have the honor to submit, herewith, copy of my Head Assistant's report under the Factories Act for 1883.

2. Including the Bellary Spinning Mill newly brought on the register there were seven factories at the end of the year. From pressure of other work Mr. Russell was not able to inspect some of these factories more than once. I cannot recommend that the inspector be allowed to depute his powers to any other officer upon the staff of the district.

3. So far as this district is concerned the Act seems to have worked fairly well.

4. It seems that as the District Inspector of Factories states the cotton presses are not properly retained on the register.

5. With regard to the employment of children in the spinning mills it seems to be probable that their employment will be found desirable in order that the special dexterity which very early practice gives may be acquired. There will be no difficulty in arranging such children in gangs working alternate watches.

ENCLOSURE.

From S. RUSSELL, Esq., Acting Head Assistant Magistrate of Bellary, to the District Magistrate of Bellary, dated Bellary, 7th April 1884, No. 342.

With reference to your letter, No. 212, 29th March 1884, I have the honor to submit my report on the working of the Factories Act XV of 1881 for the calendar year 1883.

Factories registered under the Act.—There were six factories on the register at the beginning of the year under report. They were all cotton presses. The other was registered during the year, the spinning and weaving factory which commenced work in May last.

A statement showing the localities where the factories are situated, the several dates on which each was inspected by me, and the number of persons actually employed on the date of inspection, is appended :—

No. 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.
1	Adóni ..	Dymes and Co.'s Cotton Press	26th June 1883, 94 persons.	6
			Do.	..
2	Do. ..	Brunton and Co.'s do.	26th June 1883, 26 persons.	4
3	Do. ..	Harvey and Sabapathy's Cotton Press	2nd May 1883.	17 persons.
4	Bellary ..	Arbuthnot and Co.'s do.	22nd June 1883.	99 do. 2
			10th December 1883.	58 do.
5	Do. ..	Dymes and Co.'s do.	Do.	0 / 61 / 66 respectively. ..
6	Do. ..	Harvey and Sabapathy's do.	2nd May 1883. / 21st June 1883. / 10th December 1883.	0 / 96 / 90 Do. 25
7	Do. ..	Bellary Spinning and Weaving Mill Factory ..	23rd June 1883. / 10th December 1883.	141 / 254 Do. 45

The working season.—The working season in the cotton press factories commences generally in April and extends till August. Even during the season work is not constant, perhaps not more than 2 or 4 days per week, depending upon the supply of cotton. Hence certain presses were not at work when I inspected them. My remarks on inspection have been communicated to you already in separate proceedings.

Certifying Surgeons.—The Civil Surgeon in Bellary and the hospital assistant attached to the Municipal dispensary at Adóni were appointed certifying surgeons under the Act for the towns of Bellary and Adóni, respectively.

Holidays and working hours.—The factories' agents have fixed the four Sundays in the month as holidays to children.

Registers, &c.—As noted in my inspection proceedings the registers provided under the Act were not being maintained when I inspected them in June. There was an improvement on my subsequent inspection.

Ventilation and Sanitary arrangements.—Ventilation is generally good in all the presses. In the spinning mill the ventilation of the principal room where the work is carried on and the general arrangement of the place is excellent. At some of the cotton presses absence of latrines was pointed out.

Machinery whether fenced or not.—There is no dangerous machinery in any of the cotton presses. Arrangements are made in the spinning mill that only persons of experience shall approach the fly wheel. No orders have been made under section 12 of the Act.

Accidents.—One accident of a very slight nature occurred in Dymes and Co.'s Cotton Press Factory at Bellary on the 9th October. The party injured returned to duty within 48 hours.

Prosecutions.—No prosecutions were instituted under the Act during the year under report.

General remarks.—It has been ruled by Government in their order, dated 6th June 1883, No. 1504—1504-A, Judicial, paragraph 3, that to bring a factory on the register of factories it should employ 100 persons or more in each process and wherein steam, water, or other mechanical power must be used in aid of such process. According to this order the cotton presses of this district ought not to be on the register. It is true that on certain days more than 100 persons are employed within the factory compound. But of these, not more than 30 are employed in the work of pressing. All the others are employed either in picking the cotton or shaking or ginning in which operations no machinery is used.

The only real factory in the district is the spinning mill. The number of persons employed there on my date of inspection was 254 persons. Of these 82 were boys certified to be over 12 years' old. No children under 12 are employed in the factory. The manager refuses to employ them on the ground, as I understood from inquiry, that it would not pay to put them in charge of work which could only be attended to nine hours daily. I believe it is thought that ten hours per day is the least that would pay.

In regard to the working of the Act generally no complaint of any kind has been received from any of the agents of the factories in this district. It has not interfered with their work in any way except that in some cases agents of cotton presses have prevented mothers from bringing their children under 12 years to work within the factory compound. The agents, however, do not consider this any great grievance, but to a certain extent it is a grievance to the parents of the children. The Act, from a sanitary point of view, is very useful in that it submits the compounds to regular and periodical inspection.

I would again suggest that assistant inspector might be appointed or that the inspector might be empowered to depute a responsible officer to make the inspection required by the Act. There is no difficulty in inspecting factories situated within the inspector's own division, but it is some time an inconvenience to travel outside the division.

From R. W. FRAZER, Esq., Acting Head Assistant Magistrate and Inspector of Factories, Kistna, to the District Magistrate, Kistna, dated Masulipatam, 5th April 1884, No. 82.

I have the honor to submit my report under the Factories Act for the year 1883.

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

3. This factory was inspected in the year under report by Mr. Fiddian on the 17th September 1883, and an extract from the register B is herewith enclosed.

4. The rule as to posting up in a conspicuous place a notice of working hours and holidays as also of 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 pasted in a book.

6. It appears that the machinery was working at the time of Mr. Fiddian's inspection on the 17th September 1883.

7. A notice giving particulars as to the intervals for food and rest to children was also posted up in front of the factory (*vide* G.O., No. 1133, dated 25th April 1883.)

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

9. No prosecutions were ordered under the Act.

10. No accidents were reported in the year.

Enclosure.

FORM B.

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 year 1883.

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.	17th September 1883.	156	..	8	..	Hours 6 A.M. to 6 P.M. with interval 11-30 A.M. to 2-30 P.M. Rules posted in English and Telugu. Machinery working; band of drill and of circular saw unfenced; apparently not dangerous; and no children admitted to that room. Children look well. (Sd.) J. P. F.

No. 300.

Endorsement on the above.

Submitted to Government. This is the only factory under the Act in the district.

Masulipatam,
18*th April* 1884.

(Signed) W. P. AUSTIN,
Acting District Magistrate.

From A. THOMPSON, Esq., Acting Senior Assistant Magistrate and Inspector of Factories, Ganjam, to the District Magistrate, Ganjam, dated Berhampore, 11th April 1884, No. 123.

I have the honor to submit my report on the working of the Factory Act for 1883-84.

2. There is no factory in my division, as at present constituted, coming under the Act, but by your letter, No. 4369, dated 12th December 1883, I was declared to continue to be the Inspector of the Sugar Factory at Aska belonging to the firm of Messrs. Minchin Brothers.

3. I inspected this factory on 4th March 1884. On the date of my inspection 661 persons were employed; no children within the meaning of the Act, that is persons under the age of 12 years, are employed, but a considerable number of the employés are juveniles between the ages of 12 and 16.

4. I found the factory, as usual, very clean and well ventilated. All dangerous portions of the machinery were, in my opinion, securely fenced, but I found an unfenced fly-wheel in the smith's shop. The fencing of this fly-wheel is obligatory under section 12 of the Act, and I therefore passed an order directing it to be fenced; a copy of this order has been already sent to you under rule XVIII. Messrs. Minchin Brothers informed me, in their letter of 10th March, that the fly-wheel in question had been fenced in accordance with my order.

5. They stated at the end of this letter that the threat held forth by me appeared somewhat unnecessary. This "threat" was the notice that if the work required were not completed within the time fixed, the person responsible would be prosecuted under

section 15. Under rule XI the giving of this notice is imperative, but I am decidedly of opinion that the rule should be relaxed, so as to leave it optional with the Inspector of Factories to give the notice except in cases where he may have reason to believe that his order would not otherwise be obeyed.

6. Six accidents have been reported to me during the year 1883. The details of each are given below:—

Name and date.	Caste.	Sex.	Age.	Nature of injury.	Remarks.
1. Ramasabu, 22nd February 1883.	Uriya ..	Male ..	YRS. 35	Very slightly scalded by steam on left forearm.	The accident was caused by carelessly opening the plug of a steam-pipe in one of the cane diffusers.
2. Magata, 26th April 1883 ..	Dandasi..	Do. ..	30	The great toe of the right foot slightly crushed by a pot of jaggery falling upon it.	The accidents were caused by carelessness.
3. Kodundi, 27th April 1883.	Telaga ..	Do. ..	29	The small toe of the right foot slightly crushed while working at the sugar truck.	
4. Panda Patro, 31st July 1883.	Golla ..	Do. ..	40	Slight injury to third and fourth fingers of left hand caused by a billet of wood falling on them.	
5. Kodundi, 28th November 1883.	Telaga ..	Do. ..	25	Compound fracture of the middle third of the right thigh caused by a fall from the first floor of diffusion house.	
6. Basu Bisoi	Kalingi..	Do. ..	25	Laceration of back of the left hand.	

No. 1120.

Endorsement on the above.

Submitted to Government with reference to G.O., 9th February, No. 329. I inspected the factory in June last and found it in good condition. I have little to add to Mr. Thompson's remarks.

2. There are no other factories in the district falling under the scope of the Act.

CHATRAPUR,
15th April 1884.

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

From Lieutenant-Colonel H. W. H. COX, Acting Commissioner of Police, to the Chief Secretary to Government, dated Madras, 3rd May 1884, No. 26.

I have the honor to forward the acting Deputy Commissioner's report on factories in Madras town for the official year 1883-84.

2. With reference to paragraph 8 of the report, I do not think that Act XV of 1881 contemplates such an examination of machinery and boilers as the Deputy Commissioner supposes. It is not a matter in which factory employés need protection as it is manifestly the interest of employers to keep their machinery, &c., in a safe and efficient condition.

3. Professional assistance is required by the Inspector of Factories only in the case of a difference of opinion between himself and the Superintendent of a Factory as to the sufficiency or otherwise of the fencing of machinery. Judging from past experience such a contingency is not likely to arise, but if Government consider that it should be provided for, the Executive Engineer, Presidency, might be directed to depute one of his assistants to assist the Inspector of Factories on the requisition of the latter officer.

ENCLOSURE.

From S. D. SIMPSON, Esq., Acting Deputy Commissioner of Police, to the Commissioner of Police, dated Madras, 29th April 1884, No. 23.

I have the honor to report that the factories in the town were visited by me during the past official year as stated below:—

Name of factory.	Date of inspection.	Number of times examined.
Buckingham Mill	16th August 1883, 20th December 1883, 31st December 1883.	3
Madras United Mill	5th July 1883, 10th November 1883, 10th March 1884.	2
Southern India Mill	2nd July 1883, 8th November 1883, 17th March 1884, 28th March 1884.	2
Gun Carriage Factory	6th July 1883, 12th November 1883, 15th March 1884.	2
Public Works Workshop	8th November 1883, 11th December 1883, 19th December 1883, 12th March 1884.	3
Gunpowder Factory	28th August 1883, 10th November 1883, 12th March 1884.	2
Arsenal	31st October 1883, 7th December 1883, 8th March 1884.	2
Massey's Iron Works	7th April 1883, 9th November 1883, 29th December 1883, 22nd March 1884.	3
Cement Works	13th April 1883, 9th November 1883, 29th December 1883, 22nd March 1884.	3
Carnatic Mill	6th December 1883, 20th December 1883, 19th March 1884.	2
Harbour Works	18th August 1883, 1st November 1883, 25th March 1884.	2 *

* No work has been carried on during the past year.

2. In last year's report certain suggestions made by the Deputy Commissioner (Major Heming) for reducing the number of inspections of the Crown and other factories were allowed to stand over pending further experience of the working of the present rules. I do not advocate any change in this respect.

3. The Carnatic Weaving Mill at Perambúr was opened by Binny and Co. during the past year, and was brought on my register on the 7th December 1883.

4. The Buckingham and the Carnatic Mills are the only factories that employ children above seven and under twelve years of age. In these two establishments the children are employed for nine hours daily, and are allowed the holidays prescribed for them in the Act. These mills are each under the superintendence of a European manager, and the children appear to be well cared for.

5. The following table shows the number of persons employed and the state of the factories with reference to sanitation and ventilation:—

Name of district.	Name of factory.	Number of hands employed.				Number of accidents.	Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Juveniles.				
		Men.	Women.	Boys.	Girls.			
Madras ..	Buckingham Mill	600	20	45	10	6	Yes.	Good.
Do. ..	Madras United Mill	468	15	..	..	2	Do.	Do.
Do. ..	Southern India Mill	450	19	..	..	6 *	Do.	Do.
Do. ..	Gun Carriage Factory	419	..	..	..	7	Do.	Do.
Do. ..	Public Works Workshop	323	4	..	..	4	Do.	Do.
Do. ..	Gunpowder Factory	112	..	..	..	6	Do.	Do.
Do. ..	Arsenal	626	..	..	..	2	Do.	Do.
Do. ..	Massey's Iron Works	207	..	..	..	3	Do.	Do.
							Alterations	
Do. ..	Cement Works	147	52	..	..	*Nil.*	going on	Do.
Do. ..	Carnatic Mill	572	57	53	11	5	Yes.	Do.
Do. ..	Harbour Works	300	20	..	..	*Nil.*	Do.	Do.

* One fatal death resulted from tetanus arising from an injury to his left wrist by being accidentally knocked down by a bale of cotton which was being rolled into the premises.

6. The high temperature in the working rooms complained of by Major Heming last year still exists, but I am glad to report that there is much improvement in the Choolay (Madras United) Mill since some alterations made there during the past year.

7. The Ráyapuram (Southern India) and the Carnatic Mills have no fire engines, while the one at Choolay (Madras United) has an efficient steam fire engine, which can be got ready and made use of in twenty minutes. I am of opinion that a steam fire engine is very essential at each mill where a large quantity of cotton is stored throughout the year, and I have impressed it upon the managers of the mills that are without them, how necessary it is to have such, and I am in hopes that before long each mill will be provided with one.

8. I am also of opinion that the engines, boilers, and machinery should be examined at leas once a year, or whenever the Inspector may think it necessary. Rule VIII made by the Righ Honorable the Governor in Council, under section 18 of the Factories Act, provides that the Inspector may be assisted by any person whom he may deem qualified to give a professional opinion as to the secure fencing of machinery and mill-gearing, but section 4 of the Act apparently contemplates a more extended examination of the plant and machinery when deemed necessary, and occasion may arise on which a professional opinion would materially aid the Inspector in the discharge of his duty; indeed such an opinion might well be indispensable to a decision on any suspected defect, or to satisfy the Inspector as to the absence of defect; I would therefore respectfully ask instructions as to what Government official should be invited to give such assistance, or whether it is intended that any qualified Engineer or mechanic be so employed by the Inspector, and if so what his remuneration should be, and where the funds are to come from.

From H. SEWELL, Esq., District Magistrate, Trichinopoly, to the Chief Secretary to Government, dated Trichinopoly, 11th July 1884, No. 2340.

Adverting to the Proceedings of Government, Judicial department, No. 625, dated the 5th March 1883, I have the honor to submit my report on the working of the Indian Factories Act in the district for the calendar year 1883.

2. There is one screw cotton press worked by hand in the town of Trichinopoly, owned by Messrs. Framjee and Company. It worked only for 57¼ days during the year under report. The average number of coolies employed therein daily was 92, which included men and children. These coolies were engaged, only temporarily, on those days the press was at work.

One manager.	One blacksmith.
One carpenter.	One watchman.

3. The permanent establishment maintained in the press is given in the margin.

4. I do not think that the press falls under the operation of the Indian Factories Act (XV of 1881). According to section 2, a factory should have worked for not less than four months in any one year, and the number of persons employed simultaneously should not have been less than 100 to bring it under the Act. Neither of these conditions is fulfilled as regards this press.

5. A statement showing the number of days the press worked, the number of coolies, men and children, employed in the press is herewith submitted.

6. The total number of bales turned out in the press during the year was 1,460, of which 758 bales belonged to the firm.

7. I request instructions as to whether this cotton press should be treated as one falling under the Act.

8. Besides this there were no other factories at work during the year.

From W. P. AUSTIN, Esq., Acting District Magistrate, South Arcot, to the Chief Secretary to Government, dated Cuddalore, 17th July 1884, No. 64.

I have the honor, with reference to G.O., dated 5th March 1883, No. 625, Judicial, and to rule 6 of the rules embodied in G.O., dated 9th February 1882, No. 193, to forward herewith reports, as per margin, of the divisional officers on the working of the Indian Factory Act XV of 1881 during the calendar year ending 31st December 1883.

Joint Magistrate, dated 11th August 1883, No. 104.
Joint Magistrate, dated 16th August 1883, No. 106.
Head Assistant Magistrate, dated 25th April, No. 83.
Head Assistant Magistrate, dated 6th May 1883, No. 91.
Deputy Magistrate, dated 26th September 1883, No. 131.

2. The chief feature during the year under report is that all the divisional officers have been made inspectors of factories since the receipt of the G.O., dated 6th August 1883, Mis. No. 2067, Judicial department.

3. An extract from registers A and B is submitted herewith, and a copy of the order referred to in register B as having been passed by Mr. Hebbert was already forwarded to Government with this office letter, dated 26th May 1883, No. 45.

ENCLOSURES.

FORM A.

Serial number.	Village and taluk in which factory is situated.	Name or description of factory.	Nature of business carried on.	Name of proprietors.	Name of resident manager or occupier.	Number of persons ordinarily employed.				Nature and amount of moving power thereon.	Dates of inspection during the year.
						Adults.		Children.			
						Men.	Women.	Male.	Female.		
1	Nellikuppam in the Cuddalore taluk.	Sugar manufactory and refinery and spirit distillery.	Manufacture and refinery of sugar and distillation of spirit.	Messrs. Parry and Co.	Mr. F. N. G. Gill.	262	88	None.	None.	Steam-power 50—110 horse power.	5th March 1883, by the Assistant Collector.
2	Tiruvennanallúr, Tirukoilúr taluk.	Sugar manufactory and refinery, arrack distillery.	Sugar manufactory and refinery and distillation of arrack.	Messrs. Parry and Co.	Mr. Edward Gill.	252	12	Do.	Do.	Steam-power 18 horse.	7th March 1883, by the Assistant Collector.
..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	252	12	Do.	Do.	Do. ..	23rd March 1883, by the Assistant Collector.

(Signed) F. E. K. WEDDERBURN,
Assistant Collector.

26TH AUGUST 1884, No. 2177, JUDICIAL.

From M. R. WELD, Esq., Acting Joint Magistrate, South Arcot, to the District Magistrate South Arcot, dated Manjakuppam, 11th August 1883, No. 104.

I have the honor to report that I inspected the factory at Nellikuppam on the 6th instant, and to forward a statement furnishing the information on the points called for by Government.

2. The machinery is well fenced, and there have been no accidents since that mentioned in the last report. The sanitation is good and everything clean. No children are employed. The number of hands employed in April, May, June, and July is given in the margin from information supplied me by Messrs. Parry's Agent in charge of the factory. In the statement the number of hands at work on the date of my inspection is entered.

	Number of men.	Number of women.
April	13,020	2,970
May	13,454	3,069
June	8,910	1,650
July	9,207	1,705
Total ..	44,591	9,394

Name of district.	Name of factory.	Number of hands employed.	Number of accidents.	Machinery, whether fenced or not.	Ventilation and sanitation.
South Arcot ..	1. Nellikuppam ..	Men .. 307 Women .. 55 Total .. 362	None	Fenced ..	Good.

Date of inspection, 6th August.

From M. R. WELD, Esq., Acting Joint Magistrate, South Arcot, to the District Magistrate, South Arcot, dated Villupuram, 16th August 1883, No. 106.

I have the honor to report that I inspected the factory at Tiruvennanallúr on the 15th instant, and to forward a statement furnishing the information on the points called for by Government.

Accidents.

1. 13th May 1883. M. Subbaroyen, male, 25 years, leg scalded by water of boiler while blowing off. Sent to Tirukoilúr hospital.
2. 3rd July 1883. Parasuraman, male, 30 years. The right hand was caught in one of the centri fugal machines as he was carelessly throwing water on it. Sent to Tirukoilúr hospital.

2. There are 186 males and 11 females employed. No children are employed.

3. Since the last inspection on the 23rd April 1883 there have been two accidents as shown in the margin. Neither was due to want of fencing. Both were reported to the divisional officer.

4. The machinery is properly fenced and the sanitation is good.

STATEMENT furnishing the information regarding the factory at Tiruvennanallúr.

Name of district.	Name of factory.	Number of hands employed.	Number of accidents since last inspection on the 23rd April 1883.	Machinery, whether fenced or not.	Ventilation and sanitation.
South Arcot ..	Tiruvennanallúr ..	Men .. 186 Women .. 11 Total .. 197	2	Yes	Good.

Date of inspection, 15th August 1883.

From K. SUBBAROW PANTULU GARU, Deputy Magistrate, South Arcot, to the District Magistrate, South Arcot, dated Elavánásúr, 26th September 1883, No. 131.

Adverting to your docket, No. 343, dated 11th instant, I have the honor to inform you that I examined the sugar factory at Tiruvennanallúr on the 22nd instant, and to submit for your perusal a copy of the remarks made by me.

2. Out of the remarks, I communicated to the Agent the first four paragraphs. As to the last or 5th paragraph, I beg to be informed whether the remarks therein contained are correct, and whether I can communicate the same to the Agent, Mr. Gill.

B.

Register of Inspections of Factories.

Under Rule 9 of the Rules made under Section 18 of the Indian Factories Act, 1881.
District, South Arcot. 1883. Division, General Duty Deputy Magistrate's.

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 and Orders.
				Adults.		Children.		
				Men.	Women.	Males.	Females.	
1	Sugar factory.	E. I. G. Gill, Esq., Agent.	22nd Sept. 1883.	Factory .. 30 Distillery .. 24 Building, &c. .. 136	 20	.. .. ..	.. .. ..	1. No registers in the forms D and E are kept (see rule XV). 2. No file of certificates in the form C is available for inspection (see rule XIV).
				190	20	..	..	

3. A printed or written notice in English and the vernacular of the daily working hours of the factory in form F is not maintained in a conspicuous place in the factory (see rule XVI).

4. A legible copy of the rules and forms, with a translationt hereof in Tamil, is not kept hanging in a conspicuous place (see rule XXIII). The Agent will kindly see that these omissions are brought up within a week.

5. The Agent has given orders to his manager to give information only as regards the part of the factory where steam-power is used, and that he said that the Factories Act applies not to the places where the steam-power is not used. According to this order, the laborers employed on sugar-boiling, spinning, sugar-bagging, steam-boilers, &c., who work in the building where steam-power is used, came only to 30 on this date. I have found in other parts of the factory carpenters, smiths, and brick-layers working, and also persons engaged in preparing bone charcoal for filtering the juice of sugarcane, all in connection with the sugar factory and distillation of arrack. They are about 156. So the laborers employed on this date in the different premises of the factory comes to 210. I regret that I am unable to concur with the Agent on reference to section 2 and paragraph 5 of the Bellary District Magistrate's letter read in G.Os., Nos. 1504 and 1504-A, Judicial, dated 6th June 1883. I am glad to find that, as a rule, the Agent has dispensed with the services of the children in the part of the factory where the steam-power is used. He seems to have adopted the same principle on all works incidental to the factory. Of the laborers working in the workshop where sugar-boilers, &c., are manufactured, the following appears to me below 12 years of age, though the manager and the lads said they are above 12 years. It is advisable to have their ages certified by a medical officer, and I therefore direct, under section 4 (*c*) of the Factories Act, that—

Workshop department ..	{ 1. Arumugam, 2. Ekambaram,
Preparing bone charcoal department.	{ 1. Krishnan, 2. Kamakshi,

shall not be employed until their ages have been certified by a certifying surgeon.

Order—dated 26th August 1884, No. 2177, Judicial.

The foregoing reports show that excluding the town of Madras the factories falling within the scope of the Act exist in seven districts only in the presidency. In Coimbatore and Malabar, the District Magistrates have, with advertence to the opinion expressed in the review of last year, ceased to continue under inspections the factories in those districts. The cotton presses at Bellary and Trichinopoly, may be withdrawn from the operation of the Act, if fewer than one hundred persons are engaged on any one of the processes employed therein. Persons engaged inside the building cleaning the cotton preparatory to pressing the same should be held to be working within the factory.

The reports generally are satisfactory, and show that the factories under inspection are well managed, the machinery sufficiently fenced, and the premises in good order. Under rule VII of the rules framed under the Act, inspections should take place at least three times in every calendar year; the Government trust that there will be a more careful observance of this rule in future. In cases where the factories are situated outside the Head Assistant's or Joint Magistrate's divisions, the Government are ready to sanction the appointment either of the Assistant Magistrate or a Deputy Magistrate as inspector under the Act.

2. Seventy-two accidents are reported to have occurred, of which two terminated fatally, most of the rest being of a trivial nature.

3. The inspector in the Bellary district suggests the appointment of assistant inspectors, the Government, however, do not deem this necessary. As to the relaxation suggested by the Ganjam inspector in regard to rule XI, it is observed that the issue of an order under section 12, clause (*c*) of the Act is optional on the part of the inspector, and probably in most cases it will be found sufficient to draw attention to the section to secure the necessary action being taken on the part of any manager of a factory; but if it be found necessary to issue an order under the rules, it is certainly right that the consequence of non-compliance with the order should be communicated at the same time. The Government do not consider the appointment of a professional assistant to aid the Inspector of Crown Factories, Madras town, necessary; in any special case where such assistance may be required, the inspector should apply to Government, who will direct the same to be given, if necessary.

4. The attention of the Deputy Commissioner will be drawn to the fact that the reports should deal with the calendar and not the official year (G.O., 9th February 1882, No. 193, paragraph 6). Several reports have reached Government at a very late date, and all officers should note the provisions of G.O., 5th March 1883, No. 625, Judicial, the instructions conveyed therein should be followed in future.

(True Extract.)

E. F. WEBSTER,
Chief Secretary.

To all District Magistrates.
„ the Public Works department.
„ the Consulting Engineer for Railways.
„ the Commissioner of Police.

[Annexure.

ANNEXURE.

List of Factories.

Name of District.	—	Name of Factory.	Number of Hands employed.	Number of Accidents.	Machinery whether fenced or not.	Ventilation and Sanitation.
Bellary ..	Adoni ..	Dymes and Co.'s Cotton Press	94	..	No dangerous machinery in use.	Ventilation generally good.
		Brunton and Co.'s Cotton Press	94	..	Do. ..	Do.
		Harvey and Sabapathy's Cotton Press	26	..	Do. ..	Do.
		Arbuthnot and Co.'s Cotton Press	58	..	Do. ..	Do.
	Bellary ..	Dymes and Co.'s Cotton Press	63	1	Do.	Do.
		Harvey and Sabapathy's Cotton Press	93	..	Do. ..	Do.
		Bellary Spinning and Weaving Mill Factory	197	..	..	Excellent.
Ganjam ..	Aska ..	Messrs. Minchin Brothers, Sugar Factory ..	661	6	Dangerous portions securely fenced except a fly-wheel, in respect to which an order under section 12 of the Act was passed.	Very clean and well ventilated.
Kistna ..	Bezváda ..	Public Works Workshop	156	Nil.	Band of drill and of circular saw (apparently not dangerous), unfenced.	..
Madras ..	Perambúr	Locomotive and Carriage Shops	2,438	13	Sufficiently fenced ..	Good.
	Egmore ..	Locomotive and Carriage Shops	260	Nil.		
Tanjore ..	Negapatam	Locomotive and Carriage Shops	1,380	5		
Tinnevelly	Tuticorin	Cotton Press Company (Limited)	154 during working season.	None.	Securely fenced ..	Satisfactorily attended to.
	Virudupati	Cotton Press Factory (Messrs. A. and F. Harvey's	116 during working season.	3	Fenced ..	Good.
Vizagapatam	Chittivalsa	Messrs. Arbuthnot and Co.	789	1	Do. ..	..
Madras ..	..	Buckingham Mill ..	620	6	Do. ..	Good.
		Madras United Mill ..	483	2	Do. ..	Do.
		Southern India Mill ..	469	6	Do. ..	Do.
		Gun Carriage Factory ..	419	7	Do. ..	Do.
		Public Works Workshop.	327	4	Do. ..	Do.
		Gunpowder Factory ..	112	6	Do. ..	Do.
		Arsenal	626	2	Do. ..	Do.
		Massey's Iron Works ..	207	3	Do. ..	Do.
		Cement Works	199	Nil.	Alterations going on.	Do.
		Carnatic Mill	629	5	Fenced.	Do.
		Harbour Works	320	Nil.	Do. ..	Do.
Trichinopoly	..	Messrs. Framjee and Co.	92	..	.. ..	..
South Arcot	Nellikuppam ..	Nellikuppam	362	None.	Fenced ..	Good.
	Tiruvennanallúr ..	Tiruvennanallúr	197	2	Do. ..	Do.

Exd. A. F. Goodall.

Govt. of {1884} Madras.

JUDICIAL.

Issued

Recd. Encl.

G.O., 26th August 1884, No. 2177.

AUGUST.

Factories Act.

Reviewing the reports on the working of the — for 1883.

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

READ—the following papers:—

From the Acting District Magistrate, Malabar, dated 23rd January 1884, No. 354.
From the District Magistrate, Madura, dated 8th February 1884, No. 12.
From the District Magistrate, South Canara, dated 1st March 1884, No. 503.
From the Acting District Magistrate, Salem, dated 25th March 1884, No. 259.
From the District Magistrate, Kurnool, dated 1st April 1884, No. 117.
From the District Magistrate, Coimbatore, dated 21st April 1884, No. 273.

ABSTRACT.—Reporting that there are no factories in the district falling within the Act.

From J. HEWETSON, Esq., Inspector of Factories, Vizagapatam district, to the District Magistrate, Vizagapatam, dated Kottavalsa, 17th March 1884, No. 43.

With reference to G.O., No. 625, dated 5th March 1883, I have the honor to submit my report on the Chittivalsa factory, the only one in the district, for the year 1883.

2. The number of hands at present employed is 789—men 376, women 92, young persons (12 to 16) 321.

An account of the only accident that occurred during the year was included in my last report, dated 21st March 1883.

The arrangements for ventilation remain the same as already described except that the windows in the spinning and preparing rooms noted by Mr. Turner as not opening except for four panes have been made to open altogether.

The machinery is fenced. The gangways between the looms have been widened by 6 inches to meet Mr. Turner's remark.

The factory was cleaned throughout in July and August last.

No work is done on Sundays, nor on Saturdays after 4-30 P.M., and in addition 14 holidays were given on Native feast days last year.

With reference to paragraph 2 of G.O., No. 1504, dated 6th June last, you are already aware that the employment of children in this factory was discontinued when the Act came into force. The views of the manager on the point are given in paragraphs 7 and 8 of Mr. Turner's report embodied in G.O., No. 329, dated 9th February 1883.

No. 238.

Endorsement on the above.

Submitted to Government with reference to G.O., dated 5th March 1883, No. 625, Judicial.

VIZAGAPATAM,
22nd *March* 1884.

(Signed) E. C. JOHNSON,
Ag. District Magistrate.

From A. J. B. ATKINSON, Esq., Acting District Magistrate, Tinnevelly, to the Chief Secretary to Government, dated Tinnevelly, 28th March 1884, No. 226.

In reference to G.O., No. 625, Judicial department, dated 5th March 1883, I have the honor to submit, herewith, copy of the Joint Magistrate's report on the working of the only factory at Tuticorin during 1883, under the Factories Act (XV of 1881). The report fully dwells upon each point, and there is very little left for me to add. The premises were kept clean, machinery, &c., well fenced and ventilation and sanitation received due attention. No children under 12 years of age were employed and there were no accidents. Requisite notices were hung up conspicuously, and the factory was twice inspected during the year by Messrs. Underwood and Rice. Average daily number throughout the year was 32 and 154 during the working season.

2. Messrs. A. and F. Harvey's Cotton Pressing Factory at Virudupati, which employs on an average 55 workmen daily throughout the year and 116 people in the working season, must be brought under the purview of the Act, and although the fact had been touched upon by Mr. Pennington in his letter embodied in the G.O., No. 329, Judicial, dated 9th February 1883, it was not included in the list appended to the Government order. Although the inspections were not made and no inspector was formally appointed for it, the general charge deputy magistrate, in whose division it lies, has obtained the required particulars, which I transcribe below for the information of Government.

3. The number of hands employed during the year is on an average 55 workmen daily. Dangerous portions of the machinery, &c., have been fenced. Ventilation is reported to be good and latrines for males and females have been erected. There have been three accidents. A fireman was scalded (not badly) by an accidental escape of steam in May 1883. In July of the same year, a cooly had a slight hurt to a tooth by a key from a cotton-box flying out, while in October another cooly bruised his finger when cleaning the wheels of the machine.

4. I am, however, addressing Government separately as to the advisability of bringing this factory under the Act.

Enclosure.

From R. RICE, Esq., Joint Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Tuticorin, 11th February 1884, No. 26.

I have the honor to submit my annual report on the working of the Factory Act for 1883.

2. There is only one factory * in my division coming within the purview of the Act. I inspected it on the 8th December 1883. It was also inspected by my predecessor, Mr. Underwood, on the 1st March in the same year. At the time of my visit, 136 persons were at work on the premises, of whom 119 were men and 17 women. No children below 12 were employed, nor had any such been employed during the year.

* Tuticorin Cotton Press Company (Limited) at Tuticorin.

3. All machinery, &c., was securely fenced, and no accidents had occurred during the year.

4. Ventilation and sanitation is satisfactorily attended to.

5. All the requisite notices are hung up in conspicuous places in the factory.

6. Mondays are generally allowed as holidays, and no work takes place on Sundays.

7. The condition of the premises seemed in every way satisfactory, and I was most willingly and courteously shown over the whole of the factory by the manager.

Report on Railway Factories for the year 1883.

Each of the Railway factories has been inspected at least three times during the year.

No children are employed in any of them.

The machinery continues to be securely fenced and where new machines have been erected during the year the requirements of the Act have been complied with.

A statement of the accidents that have been reported during the year is appended.

Madras, 31*st March* 1884.

(Signed) C. J. SMITH, Lieut.-Col., R.E.,
Inspector of 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.
Madras ..	Perambur ..	Locomotive and Carriage shops.	2,438	13	..	..
Do. ..	Egmore ..	Do. ..	260	*Nil.*	Sufficiently fenced.	Good.
Tanjore ..	Negapatam ..	Do. ..	1,380	5	..	..

Detailed statement of factory accidents on the Madras and South Indian Railways for 1883.

Railway.	Factory.	Date. Month.	Date. Day.	Name and occupation.	Age.	Caste.	Sex.	Remarks.
					yrs.			
Madras Railway.	Perambur Workshops.	Jan.	19th	Manikum, cooly.	35	..	Male.	While carrying an iron plate to punching machine was injured by its falling upon his foot.
Do. ..	Do. ..	Do.	20th	Soobroyen, cooly.	..	..	Do.	While unloading truck was injured by a piece of iron falling on his foot.
Do. ..	Do. ..	June	16th	Chengalrayen, workman.	39	Hindu ..	Do.	While lifting a tyre slipped and was injured slightly.
Do. ..	Do. ..	Do.	28th	Moonesawmy, cooly.	28	Do. ..	Do.	While sharpening tool at grindstone had his fingers injured.
Do. ..	Do. ..	July	24th	Aroomoogum, cooly.	57	Do. ..	Do.	While sawing timber was injured slightly by his hand being caught between the timber and bench.
Do. ..	Do. ..	Aug.	3rd	Coopen, cooly.	29	Do. ..	Do.	Injured by falling from the top of a timber gyn.
Do. ..	Do. ..	Do.	8th	Ramasawmy, cooly.	35	Do. ..	Do.	While working at the top of a carriage was injured by falling from it, owing to a teak rile giving way.
Do. ..	Do. ..	Sept.	5th	Mooneappen, cooly.	..	Do. ..	Do.	Whilst a wagon was being lowered was severely injured by the bar of a lifting jack striking him. The man died subsequently.
Do. ..	Do. ..	Nov.	7th	E. Pereyra, fitter.	21	East Indian.	Do.	While working at the lathe was slightly injured by the slipping of a tool.
Do. ..	Do. ..	Do.	14th	Yellen, cooly.	24	Hindu ..	Do.	Injured by the handle of a hammer breaking.
Do. ..	Do. ..	Do.	20th	J. Batchelor, fitter.	58	East Indian.	Do.	Slipping into the iron tank of a postal van was slightly injured.

Detailed statement of factory accidents on the Madras and South Indian Railways for 1883—*continued*.

Railway.	Factory.	Date. Month.	Date. Day.	Name and occupation.	Age.	Caste.	Sex.	Remarks.
Madras Railway.	Perambur Workshops.	Nov.	28th	G. B. Webb, chargeman; Perumall, fireman.	YRS. 45 / 35	European .. / Hindu ..	Male. / Do.	Were injured by the blowing out of the plug of an injector cock of a stationery engine.
Do. ..	Do. ..	Dec.	13th	Ganapathy Acharry, carpenter.	50	Do. ..	Do.	While getting out of carriage in the workshop's yard, a carpenter fell and fractured his forearm.
South Indian Railway.	Negapatam Workshops.	May	26th	Manikkam, blacksmith.	26	Kammalan.	Do.	While leaning against a drilling machine slipped, and his hand being caught between two cog-wheels was injured.
Do. ..	Do. ..	June	13th	Veerasawmy, striker.	21	Gentoo ..	Do.	While cutting a rivet in a tyre was injured by a piece of iron striking him near the eye.
Do.	Do. ..	Aug.	8th	Sawmy Rao, cooly.	30	Maharatta.	Do.	While lifting a casting his leg was broken by its falling on him.
Do.	Do. ..	Sept.	20th	Nagasawmy, fitter.	19	Gentoo ..	Do.	While lifting a brass excentric ring was injured by its falling on his foot.
Do.	Do. ..	Oct.	1st	Doorasawmy, carpenter.	27	Kammalan.	Do.	While fixing side rail bracket to a cotton truck was injured by its falling on his hand.

No. 95.

Endorsement on the above.

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

MADRAS, 31*st March* 1884. (Signed) C. J. SMITH, Lieut.-Col., R.E., *Consulting Engineer for Railways.*

From H. ST. A. GOODRICH, Esq., District Magistrate of Bellary, to the Chief Secretary to Government, dated Rungapuram, 13th April 1884, No. 254.

I have the honor to submit, herewith, copy of my Head Assistant's report under the Factories Act for 1883.

2. Including the Bellary Spinning Mill newly brought on the register there were seven factories at the end of the year. From pressure of other work Mr. Russell was not able to inspect some of these factories more than once. I cannot recommend that the inspector be allowed to depute his powers to any other officer upon the staff of the district.

3. So far as this district is concerned the Act seems to have worked fairly well.

4. It seems that as the District Inspector of Factories states the cotton presses are not properly retained on the register.

5. With regard to the employment of children in the spinning mills it seems to be probable that their employment will be found desirable in order that the special dexterity which very early practice gives may be acquired. There will be no difficulty in arranging such children in gangs working alternate watches.

ENCLOSURE.

From S. RUSSELL, Esq., Acting Head Assistant Magistrate of Bellary, to the District Magistrate of Bellary, dated Bellary, 7th April 1884, No. 342.

With reference to your letter, No. 212, 29th March 1884, I have the honor to submit my report on the working of the Factories Act XV of 1881 for the calendar year 1883.

Factories registered under the Act.—There were six factories on the register at the beginning of the year under report. They were all cotton presses. The other was registered during the year, the spinning and weaving factory which commenced work in May last.

A statement showing the localities where the factories are situated, the several dates on which each was inspected by me, and the number of persons actually employed on the date of inspection, is appended :—

No. 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.
1	Adóni ..	Dymes and Co.'s Cotton Press	26th June 1883, 94 persons.	6
			Do.	..
2	Do. ..	Brunton and Co.'s do.	26th June 1883, 26 persons.	4
3	Do. ..	Harvey and Sabapathy's Cotton Press	2nd May 1883.	17 persons.
4	Bellary ..	Arbuthnot and Co.'s do.	22nd June 1883.	99 do. 2
			10th December 1883.	58 do.
5	Do. ..	Dymes and Co.'s do.	Do.	0 / 61 / 66 respectively. ..
6	Do. ..	Harvey and Sabapathy's do.	2nd May 1883.	0
			21st June 1883.	96 Do. 25
			10th December 1883.	90
7	Do. ..	Bellary Spinning and Weaving Mill Factory ..	23rd June 1883.	141 Do. 45
			10th December 1883.	254

The working season.—The working season in the cotton press factories commences generally in April and extends till August. Even during the season work is not constant, perhaps not more than 2 or 4 days per week, depending upon the supply of cotton. Hence certain presses were not at work when I inspected them. My remarks on inspection have been communicated to you already in separate proceedings.

Certifying Surgeons.—The Civil Surgeon in Bellary and the hospital assistant attached to the Municipal dispensary at Adóni were appointed certifying surgeons under the Act for the towns of Bellary and Adóni, respectively.

Holidays and working hours.—The factories' agents have fixed the four Sundays in the month as holidays to children.

Registers, &c.—As noted in my inspection proceedings the registers provided under the Act were not being maintained when I inspected them in June. There was an improvement on my subsequent inspection.

Ventilation and Sanitary arrangements.—Ventilation is generally good in all the presses. In the spinning mill the ventilation of the principal room where the work is carried on and the general arrangement of the place is excellent. At some of the cotton presses absence of latrines was pointed out.

Machinery whether fenced or not.—There is no dangerous machinery in any of the cotton presses. Arrangements are made in the spinning mill that only persons of experience shall approach the fly wheel. No orders have been made under section 12 of the Act.

Accidents.—One accident of a very slight nature occurred in Dymes and Co.'s Cotton Press Factory at Bellary on the 9th October. The party injured returned to duty within 48 hours.

Prosecutions.—No prosecutions were instituted under the Act during the year under report.

General remarks.—It has been ruled by Government in their order, dated 6th June 1883, No. 1504—1504-A, Judicial, paragraph 3, that to bring a factory on the register of factories it should employ 100 persons or more in each process and wherein steam, water, or other mechanical power must be used in aid of such process. According to this order the cotton presses of this district ought not to be on the register. It is true that on certain days more than 100 persons are employed within the factory compound. But of these, not more than 30 are employed in the work of pressing. All the others are employed either in picking the cotton or shaking or ginning in which operations no machinery is used.

The only real factory in the district is the spinning mill. The number of persons employed there on my date of inspection was 254 persons. Of these 82 were boys certified to be over 12 years' old. No children under 12 are employed in the factory. The manager refuses to employ them on the ground, as I understood from inquiry, that it would not pay to put them in charge of work which could only be attended to nine hours daily. I believe it is thought that ten hours per day is the least that would pay.

In regard to the working of the Act generally no complaint of any kind has been received from any of the agents of the factories in this district. It has not interfered with their work in any way except that in some cases agents of cotton presses have prevented mothers from bringing their children under 12 years to work within the factory compound. The agents, however, do not consider this any great grievance, but to a certain extent it is a grievance to the parents of the children. The Act, from a sanitary point of view, is very useful in that it submits the compounds to regular and periodical inspection.

I would again suggest that assistant inspector might be appointed or that the inspector might be empowered to depute a responsible officer to make the inspection required by the Act. There is no difficulty in inspecting factories situated within the inspector's own division, but it is some time an inconvenience to travel outside the division.

From R. W. FRAZER, Esq., Acting Head Assistant Magistrate and Inspector of Factories, Kistna, to the District Magistrate, Kistna, dated Masulipatam, 5th April 1884, No. 82.

I have the honor to submit my report under the Factories Act for the year 1883.

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

3. This factory was inspected in the year under report by Mr. Fiddian on the 17th September 1883, and an extract from the register B is herewith enclosed.

4. The rule as to posting up in a conspicuous place a notice of working hours and holidays as also of 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 pasted in a book.

6. It appears that the machinery was working at the time of Mr. Fiddian's inspection on the 17th September 1883.

7. A notice giving particulars as to the intervals for food and rest to children was also posted up in front of the factory (*vide* G.O., No. 1133, dated 25th April 1883.)

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

9. No prosecutions were ordered under the Act.

10. No accidents were reported in the year.

ENCLOSURE.

FORM B.

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 year 1883.

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.	17th September 1883.	156	..	8	..	Hours 6 A.M. to 6 P.M. with interval 11-30 A.M. to 2-30 P.M. Rules posted in English and Telugu. Machinery working; band of drill and of circular saw unfenced; apparently not dangerous; and no children admitted to that room. Children look well. (Sd.) J. P. F.

No. 300.

Endorsement on the above.

Submitted to Government. This is the only factory under the Act in the district.

MASULIPATAM,
18*th April* 1884.

(Signed) W. P. AUSTIN,
Acting District Magistrate.

From A. THOMPSON, Esq., Acting Senior Assistant Magistrate and Inspector of Factories, Ganjam, to the District Magistrate, Ganjam, dated Berhampore, 11th April 1884, No. 123.

I have the honor to submit my report on the working of the Factory Act for 1883-84.

2. There is no factory in my division, as at present constituted, coming under the Act, but by your letter, No. 4369, dated 12th December 1883, I was declared to continue to be the Inspector of the Sugar Factory at Aska belonging to the firm of Messrs. Minchin Brothers.

3. I inspected this factory on 4th March 1884. On the date of my inspection 661 persons were employed; no children within the meaning of the Act, that is persons under the age of 12 years, are employed, but a considerable number of the employés are juveniles between the ages of 12 and 16.

4. I found the factory, as usual, very clean and well ventilated. All dangerous portions of the machinery were, in my opinion, securely fenced, but I found an unfenced fly-wheel in the smith's shop. The fencing of this fly-wheel is obligatory under section 12 of the Act, and I therefore passed an order directing it to be fenced; a copy of this order has been already sent to you under rule XVIII. Messrs. Minchin Brothers informed me, in their letter of 10th March, that the fly-wheel in question had been fenced in accordance with my order.

5. They stated at the end of this letter that the threat held forth by me appeared somewhat unnecessary. This "threat" was the notice that if the work required were not completed within the time fixed, the person responsible would be prosecuted under

section 15. Under rule XI the giving of this notice is imperative, but I am decidedly of opinion that the rule should be relaxed, so as to leave it optional with the Inspector of Factories to give the notice except in cases where he may have reason to believe that his order would not otherwise be obeyed.

6. Six accidents have been reported to me during the year 1883. The details of each are given below :—

Name and date.	Caste.	Sex.	Age.	Nature of injury.	Remarks.
1. Ramasabu, 22nd February 1883.	Uriya ..	Male ..	YRS. 35	Very slightly scalded by steam on left forearm.	The accident was caused by carelessly opening the plug of a steam-pipe in one of the cane diffusers.
2. Magata, 26th April 1883 ..	Dandasi..	Do. ..	30	The great toe of the right foot slightly crushed by a pot of jaggery falling upon it.	The accidents were caused by carelessness.
3. Kodundi, 27th April 1883.	Telaga ..	Do. ..	29	The small toe of the right foot slightly crushed while working at the sugar truck.	
4. Panda Patro, 31st July 1883.	Golla ..	Do. ..	40	Slight injury to third and fourth fingers of left hand caused by a billet of wood falling on them.	
5. Kodundi, 28th November 1883.	Telaga ..	Do. ..	25	Compound fracture of the middle third of the right thigh caused by a fall from the first floor of diffusion house.	
6. Basu Bisoi	Kalingi..	Do. ..	25	Laceration of back of the left hand.	

No. 1120.

Endorsement on the above.

Submitted to Government with reference to G.O., 9th February, No. 329. I inspected the factory in June last and found it in good condition. I have little to add to Mr. Thompson's remarks.

2. There are no other factories in the district falling under the scope of the Act.

CHATRAPUR,
15*th April* 1884.

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

From Lieutenant-Colonel H. W. H. COX, Acting Commissioner of Police, to the Chief Secretary to Government, dated Madras, 3rd May 1884, No. 26.

I have the honor to forward the acting Deputy Commissioner's report on factories in Madras town for the official year 1883-84.

2. With reference to paragraph 8 of the report, I do not think that Act XV of 1881 contemplates such an examination of machinery and boilers as the Deputy Commissioner supposes. It is not a matter in which factory employés need protection as it is manifestly the interest of employers to keep their machinery, &c., in a safe and efficient condition.

3. Professional assistance is required by the Inspector of Factories only in the case of a difference of opinion between himself and the Superintendent of a Factory as to the sufficiency or otherwise of the fencing of machinery. Judging from past experience such a contingency is not likely to arise, but if Government consider that it should be provided for, the Executive Engineer, Presidency, might be directed to depute one of his assistants to assist the Inspector of Factories on the requisition of the latter officer.

ENCLOSURE.

From S. D. SIMPSON, Esq., Acting Deputy Commissioner of Police, to the Commissioner of Police, dated Madras, 29th April 1884, No. 23.

I have the honor to report that the factories in the town were visited by me during the past official year as stated below :—

Name of factory.	Date of inspection.	Number of times examined.
Buckingham Mill	16th August 1883, 20th December 1883, 31st December 1883.	3
Madras United Mill	5th July 1883, 10th November 1883, 10th March 1884.	2
Southern India Mill	2nd July 1883, 8th November 1883, 17th March 1884, 28th March 1884.	2
Gun Carriage Factory	6th July 1883, 12th November 1883, 15th March 1884.	2
Public Works Workshop	8th November 1883, 11th December 1883, 19th December 1883, 12th March 1884.	3
Gunpowder Factory	28th August 1883, 10th November 1883, 12th March 1884.	2
Arsenal	31st October 1883, 7th December 1883, 8th March 1884.	2
Massey's Iron Works	7th April 1883, 9th November 1883, 29th December 1883, 22nd March 1884.	3
Cement Works	13th April 1883, 9th November 1883, 29th December 1883, 22nd March 1884.	3
Carnatic Mill	6th December 1883, 20th December 1883, 19th March 1884.	2
Harbour Works	18th August 1883, 1st November 1883, 25th March 1884.	2 *

* No work has been carried on during the past year.

2. In last year's report certain suggestions made by the Deputy Commissioner (Major Heming) for reducing the number of inspections of the Crown and other factories were allowed to stand over pending further experience of the working of the present rules. I do not advocate any change in this respect.

3. The Carnatic Weaving Mill at Perambúr was opened by Binny and Co. during the past year, and was brought on my register on the 7th December 1883.

4. The Buckingham and the Carnatic Mills are the only factories that employ children above seven and under twelve years of age. In these two establishments the children are employed for nine hours daily, and are allowed the holidays prescribed for them in the Act. These mills are each under the superintendence of a European manager, and the children appear to be well cared for.

5. The following table shows the number of persons employed and the state of the factories with reference to sanitation and ventilation :—

Name of district.	Name of factory.	Number of hands employed.				Number of accidents.	Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Juveniles.				
		Men.	Women.	Boys.	Girls.			
Madras ..	Buckingham Mill	600	20	45	10	6	Yes.	Good.
Do. ..	Madras United Mill	468	15	..	..	2	Do.	Do.
Do. ..	Southern India Mill	450	19	..	..	6 *	Do.	Do.
Do. ..	Gun Carriage Factory	419	..	..	..	7	Do.	Do.
Do. ..	Public Works Workshop	323	4	..	..	4	Do.	Do.
Do. ..	Gunpowder Factory	112	..	..	..	6	Do.	Do.
Do. ..	Arsenal	626	..	..	..	2	Do.	Do.
Do. ..	Massey's Iron Works	207	..	..	..	3	Do.	Do.
Do. ..	Cement Works	147	52	..	..	*Nil.*	Alterations going on	Do.
Do. ..	Carnatic Mill	572	57	53	11	5	Yes.	Do.
Do. ..	Harbour Works	300	20	..	..	*Nil.*	Do.	Do.

* One fatal death resulted from tetanus arising from an injury to his left wrist by being accidentally knocked down by a bale of cotton which was being rolled into the premises.

6. The high temperature in the working rooms complained of by Major Heming last year still exists, but I am glad to report that there is much improvement in the Choolay (Madras United) Mill since some alterations made there during the past year.

7. The Ráyapuram (Southern India) and the Carnatic Mills have no fire engines, while the one at Choolay (Madras United) has an efficient steam fire engine, which can be got ready and made use of in twenty minutes. I am of opinion that a steam fire engine is very essential at each mill where a large quantity of cotton is stored throughout the year, and I have impressed it upon the managers of the mills that are without them, how necessary it is to have such, and I am in hopes that before long each mill will be provided with one.

8. I am also of opinion that the engines, boilers, and machinery should be examined at leas once a year, or whenever the Inspector may think it necessary. Rule VIII made by the Righ Honorable the Governor in Council, under section 18 of the Factories Act, provides that the Inspector may be assisted by any person whom he may deem qualified to give a professional opinion as to the secure fencing of machinery and mill-gearing, but section 4 of the Act apparently contemplates a more extended examination of the plant and machinery when deemed necessary, and occasion may arise on which a professional opinion would materially aid the Inspector in the discharge of his duty; indeed such an opinion might well be indispensable to a decision on any suspected defect, or to satisfy the Inspector as to the absence of defect; I would therefore respectfully ask instructions as to what Government official should be invited to give such assistance, or whether it is intended that any qualified Engineer or mechanic be so employed by the Inspector, and if so what his remuneration should be, and where the funds are to come from.

From H. SEWELL, Esq., District Magistrate, Trichinopoly, to the Chief Secretary to Government, dated Trichinopoly, 11th July 1884, No. 2340.

Adverting to the Proceedings of Government, Judicial department, No. 625, dated the 5th March 1883, I have the honor to submit my report on the working of the Indian Factories Act in the district for the calendar year 1883.

2. There is one screw cotton press worked by hand in the town of Trichinopoly, owned by Messrs. Framjee and Company. It worked only for 57¼ days during the year under report. The average number of coolies employed therein daily was 92, which included men and children. These coolies were engaged, only temporarily, on those days the press was at work.

One manager.	One blacksmith.
One carpenter.	One watchman.

3. The permanent establishment maintained in the press is given in the margin.

4. I do not think that the press falls under the operation of the Indian Factories Act (XV of 1881). According to section 2, a factory should have worked for not less than four months in any one year, and the number of persons employed simultaneously should not have been less than 100 to bring it under the Act. Neither of these conditions is fulfilled as regards this press.

5. A statement showing the number of days the press worked, the number of coolies, men and children, employed in the press is herewith submitted.

6. The total number of bales turned out in the press during the year was 1,460, of which 758 bales belonged to the firm.

7. I request instructions as to whether this cotton press should be treated as one falling under the Act.

8. Besides this there were no other factories at work during the year.

From W. P. AUSTIN, Esq., Acting District Magistrate, South Arcot, to the Chief Secretary to Government, dated Cuddalore, 17th July 1884, No. 64.

I have the honor, with reference to G.O., dated 5th March 1883, No. 625, Judicial, and to rule 6 of the rules embodied in G.O., dated 9th February 1882, No. 193, to forward herewith reports, as per margin, of the divisional officers on the working of the Indian Factory Act XV of 1881 during the calendar year ending 31st December 1883.

Joint Magistrate, dated 11th August 1883, No. 104.
Joint Magistrate, dated 16th August 1883, No. 106.
Head Assistant Magistrate, dated 25th April, No. 83.
Head Assistant Magistrate, dated 6th May 1883, No. 91.
Deputy Magistrate, dated 26th September 1883, No. 131.

2. The chief feature during the year under report is that all the divisional officers have been made inspectors of factories since the receipt of the G.O., dated 6th August 1883, Mis. No. 2067, Judicial department.

3. An extract from registers A and B is submitted herewith, and a copy of the order referred to in register B as having been passed by Mr. Hebbert was already forwarded to Government with this office letter, dated 26th May 1883, No. 45.

ENCLOSURES.

FORM A.

Serial number.	Village and taluk in which factory is situated.	Name or description of factory.	Nature of business carried on.	Name of proprietors.	Name of resident manager or occupier.	Number of persons ordinarily employed. Adults. Men.	Adults. Women.	Children. Male.	Children. Female.	Nature and amount of moving power thereon.	Dates of inspection during the year.
1	Nellikuppam in the Cuddalore taluk.	Sugar manufactory and refinery and spirit distillery.	Manufacture and refinery of sugar and distillation of spirit.	Messrs. Parry and Co.	Mr. F. N. G. Gill.	252	88	None.	None.	Steam-power 50—110 horse power.	5th March 1883, by the Assistant Collector.
2	Tiruvennanallúr, Tirukoilúr taluk.	Sugar manufactory and refinery, arrack distillery.	Sugar manufactory and refinery and distillation of arrack.	Messrs. Parry and Co.	Mr. Edward Gill.	252	12	Do.	Do.	Steam-power 18 horse.	7th March 1883, by the Assistant Collector.
..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	252	12	Do.	Do.	Do. ..	23rd March 1883, by the Assistant Collector.

(Signed) F. E. K. WEDDERBURN,
Assistant Collector.

From M. R. WELD, Esq., Acting Joint Magistrate, South Arcot, to the District Magistrate South Arcot, dated Manjakuppam, 11th August 1883, No. 104.

I have the honor to report that I inspected the factory at Nellikuppam on the 6th instant, and to forward a statement furnishing the information on the points called for by Government.

	Number of men.	Number of women.
April	13,020	2,970
May	13,454	3,069
June	8,910	1,650
July	9,207	1,705
Total ..	44,591	9,394

2. The machinery is well fenced, and there have been no accidents since that mentioned in the last report. The sanitation is good and everything clean. No children are employed. The number of hands employed in April, May, June, and July is given in the margin from information supplied me by Messrs. Parry's Agent in charge of the factory. In the statement the number of hands at work on the date of my inspection is entered.

Name of district.	Name of factory.	Number of hands employed.	Number of accidents.	Machinery, whether fenced or not.	Ventilation and sanitation.
South Arcot	1. Nellikuppam ..	Men .. 307 Women .. 55 Total .. 362	None	Fenced ..	Good.

Date of inspection, 6th August.

From M. R. WELD, Esq., Acting Joint Magistrate, South Arcot, to the District Magistrate, South Arcot, dated Villupuram, 16th August 1883, No. 106.

I have the honor to report that I inspected the factory at Tiruvennanallúr on the 15th instant, and to forward a statement furnishing the information on the points called for by Government.

Accidents.

1. 13th May 1883. M. Subbaroyen, male, 25 years, leg scalded by water of boiler while blowing off. Sent to Tirukoilúr hospital.
2. 3rd July 1883. Parasuraman, male, 30 years. The right hand was caught in one of the centri fugal machines as he was carelessly throwing water on it. Sent to Tirukoilúr hospital.

2. There are 186 males and 11 females employed. No children are employed.

3. Since the last inspection on the 23rd April 1883 there have been two accidents as shown in the margin. Neither was due to want of fencing. Both were reported to the divisional officer.

4. The machinery is properly fenced and the sanitation is good.

STATEMENT furnishing the information regarding the factory at Tiruvennanallúr.

Name of district.	Name of factory.	Number of hands employed.	Number of accidents since last inspection on the 23rd April 1883.	Machinery, whether fenced or not.	Ventilation and sanitation.
South Arcot	Tiruvennanallúr ..	Men .. 186 Women .. 11 Total .. 197	2	Yes	Good.

Date of inspection, 15th August 1883.

From K. SUBBAROW PANTULU GARU, Deputy Magistrate, South Arcot, to the District Magistrate, South Arcot, dated Elavánásúr, 26th September 1883, No. 131.

Adverting to your docket, No. 343, dated 11th instant, I have the honor to inform you that I examined the sugar factory at Tiruvennanallúr on the 22nd instant, and to submit for your perusal a copy of the remarks made by me.

2. Out of the remarks, I communicated to the Agent the first four paragraphs. As to the last or 5th paragraph, I beg to be informed whether the remarks therein contained are correct, and whether I can communicate the same to the Agent, Mr. Gill.

B.

Register of Inspections of Factories.

Under Rule 9 of the Rules made under Section 18 of the Indian Factories Act, 1881.
District, South Arcot. 1883. Division, General Duty Deputy Magistrate's.

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 and Orders.
				Adults.		Children.		
				Men.	Women.	Males.	Females.	
1	Sugar factory.	E. I. G. Gill, Esq., Agent.	22nd Sept. 1883.	Factory .. 30 Distillery .. 24 Building, &c. .. 136	 20	.. .. ..	.. .. ..	1. No registers in the forms D and E are kept (see rule XV). 2. No file of certificates in the form C is available for inspection (see rule XIV).
				190	20	..	..	

3. A printed or written notice in English and the vernacular of the daily working hours of the factory in form F is not maintained in a conspicuous place in the factory (see rule XVI).

4. A legible copy of the rules and forms, with a translationt hereof in Tamil, is not kept hanging in a conspicuous place (see rule XXIII). The Agent will kindly see that these omissions are brought up within a week.

5. The Agent has given orders to his manager to give information only as regards the part of the factory where steam-power is used, and that he said that the Factories Act applies not to the places where the steam-power is not used. According to this order, the laborers employed on sugar-boiling, spinning, sugar-bagging, steam-boilers, &c., who work in the building where steam-power is used, came only to 30 on this date. I have found in other parts of the factory carpenters, smiths, and brick-layers working, and also persons engaged in preparing bone charcoal for filtering the juice of sugarcane, all in connection with the sugar factory and distillation of arrack. They are about 156. So the laborers employed on this date in the different premises of the factory comes to 210. I regret that I am unable to concur with the Agent on reference to section 2 and paragraph 5 of the Bellary District Magistrate's letter read in G.Os., Nos. 1504 and 1504-A, Judicial, dated 6th June 1883. I am glad to find that, as a rule, the Agent has dispensed with the services of the children in the part of the factory where the steam-power is used. He seems to have adopted the same principle on all works incidental to the factory. Of the laborers working in the workshop where sugar-boilers, &c., are manufactured, the following appears to me below 12 years of age, though the manager and the lads said they are above 12 years. It is advisable to have their ages certified by a medical officer, and I therefore direct, under section 4 (*e*) of the Factories Act, that—

Workshop department .. { 1. Arumugam, 2. Ekambaram,
Preparing bone charcoal department. { 1. Krishnan, 2. Kamakshi,

shall not be employed until their ages have been certified by a certifying surgeon.

Order—dated 26th August 1884, No. 2177, Judicial.

The foregoing reports show that excluding the town of Madras the factories falling within the scope of the Act exist in seven districts only in the presidency. In Coimbatore and Malabar, the District Magistrates have, with advertence to the opinion expressed in the review of last year, ceased to continue under inspections the factories in those districts. The cotton presses at Bellary and Trichinopoly, may be withdrawn from the operation of the Act, if fewer than one hundred persons are engaged on any one of the processes employed therein. Persons engaged inside the building cleaning the cotton preparatory to pressing the same should be held to be working within the factory.

The reports generally are satisfactory, and show that the factories under inspection are well managed, the machinery sufficiently fenced, and the premises in good order. Under rule VII of the rules framed under the Act, inspections should take place at least three times in every calendar year; the Government trust that there will be a more careful observance of this rule in future. In cases where the factories are situated outside the Head Assistant's or Joint Magistrate's divisions, the Government are ready to sanction the appointment either of the Assistant Magistrate or a Deputy Magistrate as inspector under the Act.

2. Seventy-two accidents are reported to have occurred, of which two terminated fatally, most of the rest being of a trivial nature.

3. The inspector in the Bellary district suggests the appointment of assistant inspectors, the Government, however, do not deem this necessary. As to the relaxation suggested by the Ganjam inspector in regard to rule XI, it is observed that the issue of an order under section 12, clause (*c*) of the Act is optional on the part of the inspector, and probably in most cases it will be found sufficient to draw attention to the section to secure the necessary action being taken on the part of any manager of a factory; but if it be found necessary to issue an order under the rules, it is certainly right that the consequence of non-compliance with the order should be communicated at the same time. The Government do not consider the appointment of a professional assistant to aid the Inspector of Crown Factories, Madras town, necessary; in any special case where such assistance may be required, the inspector should apply to Government, who will direct the same to be given, if necessary.

4. The attention of the Deputy Commissioner will be drawn to the fact that the reports should deal with the calendar and not the official year (G.O., 9th February 1882, No. 193, paragraph 6). Several reports have reached Government at a very late date, and all officers should note the provisions of G.O., 5th March 1883, No. 625, Judicial, the instructions conveyed therein should be followed in future.

(True Extract.)

Chief Secretary.

To all District Magistrates.
„ the Public Works department.
„ the Consulting Engineer for Railways.
„ the Commissioner of Police.

[Annexure.

ANNEXURE.

List of Factories.

Name of District.	—	Name of Factory.	Number of Hands employed.	Number of Accidents.	Machinery whether fenced or not.	Ventilation and Sanitation.
Bellary ..	Adoni ..	Dymes and Co.'s Cotton Press	94	..	No dangerous machinery in use.	Ventilation generally good.
		Brunton and Co.'s Cotton Press	94	..	Do. ..	Do.
		Harvey and Sabapathy's Cotton Press	26	..	Do. ..	Do.
	Bellary ..	Arbuthnot and Co.'s Cotton Press	58	..	Do. ..	Do.
		Dymes and Co.'s Cotton Press	63	1	Do.	Do.
		Harvey and Sabapathy's Cotton Press	93	..	Do. ..	Do.
		Bellary Spinning and Weaving Mill Factory	197	..	..	Excellent.
Ganjam ..	Aska ..	Messrs. Minchin Brothers, Sugar Factory ..	661	6	Dangerous portions securely fenced except a fly-wheel, in respect to which an order under section 12 of the Act was passed.	Very clean and well ventilated.
Kistna ..	Bezváda ..	Public Works Workshop	156	Nil.	Band of drill and of circular saw (apparently not dangerous), unfenced.	..
Madras ..	Perambúr	Locomotive and Carriage Shops	2,438	13	Sufficiently fenced ..	Good.
	Egmore ..	Locomotive and Carriage Shops	260	Nil.		
Tanjore ..	Negapatam	Locomotive and Carriage Shops	1,380	5		
Tinnevelly	Tuticorin	Cotton Press Company (Limited)	154 during working season.	None.	Securely fenced ..	Satisfactorily attended to.
	Virudupati	Cotton Press Factory (Messrs. A. and F. Harvey's	116 during working season.	3	Fenced ..	Good.
Vizagapatam	Chittivalsa	Messrs. Arbuthnot and Co.	789	1	Do. ..	..
Madras ..	..	Buckingham Mill ..	620	6	Do. ..	Good.
		Madras United Mill ..	483	2	Do. ..	Do.
		Southern India Mill ..	469	6	Do. ..	Do.
		Gun Carriage Factory ..	419	7	Do. ..	Do.
		Public Works Workshop.	327	4	Do. ..	Do.
		Gunpowder Factory ..	112	6	Do. ..	Do.
		Arsenal	626	2	Do. ..	Do.
		Massey's Iron Works ..	207	3	Do. ..	Do.
		Cement Works	199	Nil.	Alterations going on.	Do.
		Carnatic Mill	629	5	Fenced.	Do.
Trichinopoly ..	..	Harbour Works	320	Nil.	Do.	Do.
		Messrs. Framjee and Co.	92	..	.. ..	..
South Arcot	Nellikuppam ..	Nellikuppam	362	None.	Fenced ..	Good.
	Tiruvennanallúr ..	Tiruvennanallúr	197	2	Do. ..	Do.

Ex'd. A. F. Goodall.