(1) பக்கங்களின் எண்ணிக்கை 30

(2) புதுக்கித் திருப்பிய நாள் 21-7-89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1834-W	அச்சகம் பலவகை
நாள் :	4-7-1890	19 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

அரசு, கா-1—18,008—15-6-87.

1834
1

9TH JUNE 1890, No. 982, JUDICIAL.

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

READ—the following papers:—

From M.R.Ry. A. SURYANARAYANA NAIDU Garu, General Deputy Magistrate, Goomsur, to the District Magistrate, Ganjam, dated Russellkonda, 1st January 1890.

I have the honor to submit my report on the working of the Aska Sugar Factory belonging to Messrs. Minchin Brothers and Co. for the year 1889.

2. During the year under report, I inspected the factory thrice, viz., 28th March, 25th June and 8th August 1889. On these occasions, Mr. Kollman, the Manager of the factory, gave me every facility in my work of inspection. I could not inspect the factory during the last quarter of the year, as I have been fully engaged with the jamabandi of Goomsur taluk for fasli 1298.

3. No children under the age of 12 years are employed.

4. The work-people are divided into two classes: the first class consisting of mechanics work by day only from sunrise to sunset with an interval of two hours, while the second class work both by day and by night in the sugar manufacture. This class is divided into two equal sets who work alternately for six hours from 8 to 2, 2 to 8.

5. During the sugarcane time, the second class is divided into three sets who work in shifts of four hours from 8 to 12, 12 to 4, 4 to 8.

6. Mr. Minchin is very kind to the work-people and treats them with the greatest consideration.

7. The machinery appears to me to have all its dangerous portions securely fenced.

8. The requisite notices are hung up conspicuously.

9. The sanitary condition of the factory premises is good and the buildings are well ventilated; everything is carefully managed with a view to the safety of the persons employed.

10. Only one accident has been reported during the year.

On the 22nd April 1889, at about 9-30 P.M., a boy named Magatha, aged 15 years, fell down from the steps of the Boni-tower causing a shock to his body. This was due to his own carelessness. He was successfully treated in the Local Fund dispensary at Aska.

11. I beg to append a statement showing the results of the inspections:—

Name of factory.	Date of inspection.	Number of persons employed.				Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Children.			
		Men.	Women.	Males.	Females.		
Sugar Factory, Aska.	28th March 1889 ..	396	..	..	..	Securely fenced ..	Clean and well ventilated.
	25th June ,, ..	354	..	..	..	Do. ..	Do.
	8th August ,, ..	420	..	..	..	Do. ..	Do.

No. 177.

Endorsement on the above.

Submitted to Government with reference to G.O., dated 26th August 1884, No. 2177, Judicial Department.

CHATRAPUR,
9th January 1890.

(Signed) A. W. B. HIGGENS,
Ag. District Magistrate, Ganjam.

From H. MOBERLY, Esq., Acting Joint Magistrate, Godávari District, to the Magistrate, No. 11.

I have the honor to report on the working of the Factories Act XV of 1881 during the year 1889.

2. The Government workshop at Dowlaishweram is the only factory in the division coming within the scope of the Act. It was inspected by me three times during the year. Extracts from the register B containing my remarks at the time of inspection are enclosed.

3. There was proper ventilation and everything was in good order.

4. All dangerous machinery was properly fenced.

5. There were no accidents during the year.

6. The working hours were as usual from 6 A.M. to 12 noon and from 2 to 5 P.M.

7. The statement prescribed by Government in its Order No. 1760, dated 7th July 1885, is enclosed.

ENCLOSURES.

Form B.

Register of Inspection of Factories (under Rule 9 of rules made under section 18 of the Indian Factories Act, 1881).

Joint Magistrate's Division, Godávari District.

Number of factory in registers 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.		
				Males.	Females.	Males.	Females.	
1	Government workshop, Dowlaishweram.	Government	8th June 1889	101	..	..	..	Vanapalli Viranna, a boy employed in the carpenter's shop appears to me under 12, Yerrensetti Janardhanam said to be 13, Allamsetti Venkanna said to be 13, and Kuppili Sivayya said to be 16 are employed in the Smith's shop. I am inclined to think that they are under 12 unless certificates are obtained from the District Surgeon that these children are more than 12; registers in forms D and E must be opened. (Signed) H. M. BERLY, *Ag. Joint Magistrate.*
				4 boys who are said to be over 12, but who appear to me to be under.				
..	Do. do. ..	Do.	19th July 1889	132 and the 4 boys named above regarding whom certificates of age have not yet been obtained. 15 Fitters. 20 Lascars. 14 Carpenters. 1 Painter. 9 Apprentices. 14 Foundry moulders. 9 Smiths. 9 Hammermen. 8 Bellows boys. 2 Fitter boys. 1 Carpenter boy. 2 Scavengers. 32 Coolies. 136 C. M. SMITH, *Executive Engineer.*				Unless by the end of this month the 4 boys referred to in my remarks of the 8th June are certified to be over 12 years of age registers in forms D and E must be opened. The working hours are from 6 to 12 A.M. and from 2 to 5 P.M. All dangerous machinery properly fenced. A copy of the rules and forms, with a translation thereof in Telugu, do not appear to be kept hanging in a conspicuous place of the factory. This should be attended to. (Signed) H. MOBERLY, *19th July* 1889. *Ag. Joint Magistrate.*

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Form B—*cont.*

Register of Inspection of Factories, &c.—*cont.*

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.		
				Males.	Females.	Males.	Females.	
..	Government workshop, Dowlaishweram.	Government	19th December 1889 ..	122 17 Fitters. 16 Lascars. 9 Carpenters. 9 Apprentices. 11 Moulders. 9 Smiths. 11 Hammermen. 11 Bellows boys. 2 Fiter boys. 3 Carpenter boys. 2 Scavengers. 23 Coolies. 122	..	..	The Executive Engineer being absent, I explained to the head clerk that a copy of the rules and forms must be kept hanging in a conspicuous part of the factory, and that keeping a copy of the rules, &c., in the office to which the factory servants are not admitted cannot be regarded as a compliance with the rules. The 4 certificates in form C received with Executive Engineer's letter, No. 350, dated 18th October 1889, were returned to the head clerk with instructions to file them as required by Rule XIV. 19th December 1889. (Signed) H. MOBERLY, *Ag. Joint Magistrate.*

STATEMENT showing the number of persons employed at the end of the year 1889, in the Government Workshop at Dowlaishweram.

Name of the district.	Name of the factory.	Number of persons employed at the end of the year 1889.				Machinery whether fenced or not.	Ventilation and sanitation.	Remarks.
		Adults.		Children.				
		Males.	Females.	Males.	Females.			
Godavari District ..	Government Workshop ..	(a) 98	(b) 1	(c) 29	..	Fenced	Good	(a) 18 Fitters. 16 Lascars. 10 Carpenters. 11 Moulders. 10 Smiths. 11 Hammermen. 1 Painter. 3 Carpenter boys. 2 Scavengers. 16 Coolies. 98 *7th February* 1890. (Signed) H. MOBERLY, *Ag. Joint Magistrate.*	(b) 1 Cooly. (c) 17 Bellows boys. 10 Apprentices. 1 Fiter boy. 1 Boy coolies. 29 —

No. 11.

Endorsement on the above.

Submitted to Government. The Government workshop at Dowlaishweram is the only factory in the district coming within the scope of the Act.

COCANADA, *24th February* 1890. (Signed) L. C. BUCKLEY, for *District Magistrate.*

From M.R.Ry. V. JAGANNADHA ROW, General Duty Deputy Magistrate, Vizianagrum Division, to the Acting District Magistrate, Vizagapatam, dated Sitampeta, 13th February 1890, No. 30—1.

I have the honor to submit my report on the working of the gunny factory at Chittivalsa belonging to Messrs. Arbuthnot and Co. for the calendar year ending the 31st December 1889.

2. During the year under report, the factory was thrice inspected by me on the following dates:—

I. On the 2nd February 1889 between 7 and 8 A.M.
II. On the 14th May 1889 between 7 and 8 A.M.
III. On the 24th July 1889 between 7 and 8 A.M.

On these three occasions, Mr. Innes, the Manager of the Factory, was present with me at the time of inspection.

3. In this factory, jute is cleaned, twined and woven and eventually made into gunny bags. The engine is worked by steam and its moving power is 77 nominal and 220 actual horse power.

4. The factory was closed on 9 English and 9 native holidays besides Sundays during the year. The working hours during the year were the same as those in the last year, viz., from $5\frac{1}{2}$ A.M. to $6\frac{1}{2}$ P.M. with a recess of one and half an hour between 12 and $1\frac{1}{2}$ P.M. in the months of November to March, and two hours from 12 A.M. from April to October. On Saturdays, the engine stops at $4\frac{1}{2}$ P.M. allowing an interval of half an hour at noon.

5. The average number of persons employed during the year was 711. The number at work on the dates of inspection is given below:—

Month and date.	Males.		Females.	
	Above 16.	12 to 16.	Above 16.	12 to 16.
2nd February 1889	337	261	80	10
14th May 1889	372	239	72	6
24th July ,, ...	383	240	70	5

No children below 12 years were employed in the factory.

6. The factory is generally whitewashed and cleaned once in every year. The whitewashing for the year 1888 was commenced on the 13th November and completed in January following, and for the year under report it was commenced on the 13th November last and finished on the 31st December last.

7. The latrines were being cleaned with the hot water that was let out from the engine.

8. There is proper ventilation for the rooms of the building. Though there is much dust in the preparing room, yet the workmen do their business with a cloth over their mouths as they are all well accustomed to it.

9. The temperature in the working room on the dates of inspection was as follows:—

On the 2nd February 1889	
„ 14th May 1889	74°
„ 24th July „	90°
	90°

10. The machinery has been protected either by iron rails or by iron and wooden shields in view to prevent all chances of accident, and it has also been fenced wherever necessary or possible. The calender rollers have been protected with small guide rollers for the purpose of conducting the cloth to the in-running side of the upper calendering rollers. These are now worked safely and with ease.

11. Two accidents were reported during the year 1889—

(1) On the 14th June 1889, one Erra Narayudu, a man 30 years old, got his fingers of right hand lacerated.
(2) On the 26th August 1889, one Marooju Surayya, a man aged 27 years, got his left hand pierced by a drill.

Both these men were treated in the dispensary at Bimlipatam and they returned to duty on the 1st July and 5th September 1889, respectively.

12. Certificates of age were granted to all young persons employed in the factory in Form C appended to the rules by the Civil Apothecary at Bimlipatam, who was appointed certifying surgeon under Section V of the Factories Act, 1881, and a file of these certificates is maintained as required by Rule XIV.

13. Registers D and E are not maintained, as no children below 12 years are employed in the factory.

14. A notice of daily working hours and a list of holidays have been set up in an open place in the factory and printed copies of the rules with Telugu translations have been posted on the outer walls of the office room.

15. The young persons employed in the factory were inspected by me and found to be in a healthy condition.

16. Registers A and B, which are required to be kept in my office under rules 2 and 3, have been properly maintained.

17. A statement showing the number of persons employed on the last working day of the year is appended as required by paragraph 7 of G.O., dated 7th July 1885, No. 1760, Judicial.

ENCLOSURE.

TABLE showing the number of Persons employed at the end of the year and the state of the Factory with reference to sanitation and ventilation.

Name of district.	Name of factory.	Number of persons employed at the end of the year.				Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Children.			
		Men.	Women	Males.	Females.		
Vizagapatam ..	Gunny Factory at Chittivalsa.	610	158	..	..	Properly fenced ..	Good.

1834/4

No. 245.

Endorsement on the above.

Submitted to Government.

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

3. There were two accidents, but they were not of a serious type.

VIZAGAPATAM,
27*th February* 1890.

T. RAMAMURTI,
Dy. for *Ag. Magistrate.*

From M.R.Ry. K. SUBBARAYADU Pantulu Garu, Sub-Divisional Magistrate, Adóni, to the District Magistrate, Bellary, dated 22nd January 1890, No. 45.

I have the honor to submit my report under the Factories Act XV of 1881 for the calendar year 1889.

2. There is only one factory in the division, viz., Messrs. Dymes and Co.'s Cotton Press at Adóni.

3. In this factory cotton is pressed into bales with the aid of a steam engine of twenty horse power with two cylinders and a boiler. Besides this engine, there are two other engines within the precincts of the factory, one of twenty-four horse power with one cylinder and the other a portable engine of six horse power. The latter two engines, however, have not been in use for some years. The one of twenty-four horse power was originally set up in connection with a ginning machine and the portable engine was once being used in connection with machines for boring and turning, &c.

4. During the year under report, the factory was inspected by me four times on the following dates:—

	Number of people at work.	
	Men.	Women.
I. On the 22nd July 1889	68	100
II. On the 8th Sept. „	56	88
III. On the 31st Oct. „	16	89
IV. On the 24th Dec. „	29	71

5. A copy of the rules and a label of working hours are duly posted up, but registers D and E are not maintained, as no children below 12 years are employed in the factory.

6. The hours fixed are from 6 A.M. to 6 P.M., and persons working are allowed sufficient intervals in the mean time to take their meals, &c.

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

8. There were no accidents whatever during the year under report, although the press was at work for nine months from April to the close of December.

9. On all the four occasions of my inspection, I found the persons employed cheerful and healthy.

10. The building is kept sufficiently neat and is well ventilated.

11. The working engine is in a separate room to which people other than the driver have no access.

12. Registers A and B are duly maintained in my office.

13. A statement in the form prescribed in paragraph 7 of G.O., dated 7th July 1885, No. 1760, Judicial, is enclosed.

ENCLOSURE.

STATEMENT showing the number of Persons employed at the end of the season and the state of the Factory with reference to sanitation and ventilation :—

Name of district.	Name of factory.	Number of persons employed at the end of the season.				Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Juveniles.			
		Males.	Females.	Males.	Females.		
Bellary district .	Messrs. Dymes and Co.'s Cotton Press at Adóni.	37	62	..	..	The engine is secure enough having been placed in a separate room altogether set apart for the purpose, and made accessible to none else but the driver.	Good.

No. 52—M.P.R.

Submitted with copy of the enclosure to the Chief Secretary to Government, Judicial Department.

28*th February* 1890. (Signed) G. E. L. CAMPBELL,
Head Assistant Magistrate in charge.

From J. H. MUNRO, Esq., Assistant Magistrate and Inspector of Factories of Bellary Division, to the District Magistrate, Bellary, dated 7th January 1890, No. 17.

I have the honor to report on the working of the Factories Act XV of 1881 during the year 1889.

1. The Bellary Spinning and Weaving Company (Limited).
2. The Arsenal Factory.
3. Messrs. Dymes and Company's Cotton Press.

2. During the year there were three factories as marginally noted falling under the operation of the Act. These factories were inspected as detailed below :—

No.	Name of factory.	Dates of inspection.	Remarks.
1	The Bellary Spinning and Weaving Company (Limited).	9th April 1889, 24th June 1889 and 26th November 1889.	The inspections in the months of November and December were by me, and those previous to those dates were by Mr. Chester, the Deputy Magistrate.
2	The Arsenal Factory	18th July 1889 and 12th November 1889.	
3	Messrs. Dymes and Co.'s Cotton Press.	24th June 1889, 14th November 1889 and 3rd December 1889.	

3. The working people in the three factories looked healthy and strong. Children under the age of 12 years and above are employed only in the Bellary Spinning and Weaving Company. The provisions of the Act as to certificates, notices, &c., were carefully observed, except in the following instance. When I inspected the Arsenal on the 12th November, I found that a notice in form F (showing the working hours of the factory) was not hung up in the factory as required by rule 16 of the rules made under section 18 of the Factories Act, 1881. I called the attention of the Ordnance Officer (who is also the Manager of the Arsenal Factory) to the above defect, and it has since been reported by that officer that the above requisition was complied with on the 30th November.

4. No accidents were reported from the Arsenal and the Dymes and Co.'s Cotton Press. There were three accidents in the Bellary Spinning and Weaving Company.

(1) On the 23rd July, a peon named Sadroddien, owing to his own carelessness, injured his fingers by putting his hand between the rollers of the single scutcher machine while it was working. He was instantly sent to the hospital and discharged as cured on the 2nd October.

(2) On the 31st July, one Lutchmiah accidently injured two fingers while cleaning a machine when it was working. He was at once sent to the hospital for treatment and was discharged as cured on the 17th August.

(3) On the 18th November the mill carpenter Agambaram accidently cut the palm of his right hand while cutting wood in the mechanic shop. He was immediately sent to the hospital and was still under treatment on the day of my inspection, viz., 26th November. He ought to be cured by this time. On an inquiry made by me, I found that these accidents happened owing to the carelessness of the injured themselves and that the manager was not to blame for any mismanagement.

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

6. I enclose a statement showing the number of persons employed at the time of inspection and the state of the factories with reference to sanitation and ventilation.

I beg to note that the Dymes and Co's. Cotton Press was working from April to 7th November during the year.

ENCLOSURE.

STATEMENT showing the number of Persons employed on the dates of inspection and the state of the Factories with reference to sanitation and ventilation during the year 1889.

District.	Date of inspection.	Name of factory.	Number of persons employed.				Machinery whether fenced or not.	Ventilation and sanitation.
			Adults.		Children.			
			Men.	Women.	Male.	Female.		
Bellary.	1889. 9th April ..	Bellary Spinning and Weaving Company (Limited)	268	89	21	378	Fenced ..	Good.
	24th June ..	Do. ..	327	101	27	455		
	26th November ..	Do. ..	325	98	31	454		
	18th July ..	Arsenal Factory ..	240	..	..	..	Do. ..	Do.
	12th November ..	Do. ..	218	..	..	..		
	24th June ..	Messrs. Dymes and Co's. Cotton Press Factory.	43	66	..	..	Do. ..	Do.
	14th November ..	Do. ..	6	60	..	..		
	3rd December ..	Do. ..	1	37	..	..		

No. 53—M.P.R.

Endorsement on the above.

Submitted, with copy of the enclosure, to the Chief Secretary to Government, Judicial Department.

1*st March* 1890. G. E. L. CAMPBELL,
Head Assistant Magistrate in charge.

From H. M. WINTERBOTHAM, Esq., District Magistrate of Malabar, to the Chief Secretary to Government, dated Calicut, 5th March 1890, No. 555 M.

I have the honor to submit my report on the working of the Indian Factories Act XV of 1881 for the calendar year 1889.

2. The "Malabar Spinning and Weaving Company" situated in Panniankara amsam, Calicut taluk, is the only factory in the district falling within the scope of the Act.

3. The factory was inspected thrice during the year: by myself on the 1st July 1889, Mr. N. S. Brodie 9th September 1889 and Mr. Morris 22nd November 1889.

At my inspection, I found that the provisions of the Act were being generally disregarded. The Manager was called on to show cause why he should not be prosecuted, and it then appeared that he had sinned from pure ignorance. The chief employés of the factory were then taught the provisions of the Act, and were shown what registers had to be kept, what notices to be hung up and what rules to be observed. The reports of the two succeeding inspections showed that all irregularities had ceased.

4. The subjoined statement shows the number of persons employed at the time of each inspection:—

Date of inspection.	Adults.		Children.	
	Men.	Women.	Males.	Females.
1st July 1889	125	6	32	1
9th September 1889	214	16	68	6
22nd November ,, ...	276	29	72	..

5. The factory is spacious and well ventilated. Its sanitation is good, and the machinery is as securely fenced as the nature of it will permit.

6. Five accidents occurred in the factory during the past year. In each case a finger was crushed, or otherwise injured, in carelessly tending the spinning machinery.

7. The prescribed statement is herewith submitted.

ENCLOSURE.

STATEMENT showing the number of Persons employed at the Malabar Spinning and Weaving Factory on the last working day of the year 1889.

Name of district.	Name of factory.	Number of persons employed at the end of the year.				Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Children.			
		Men.	Women.	Males.	Females.		
Malabar	Malabar Spinning and Weaving Company (Limited.)	283	22	82	6	Fenced, so far as is possible.	Good.

Report on Railway Factories for the year 1889.

The same number of factories as in the previous year was maintained on the registers of 1889. They were inspected on the following dates:—

Madras Railway, Perambúr works	27th February. 21st August. 23rd September.
South Indian Railway, Engineering works, Trichinopoly ..	4th March. 10th August. 16th December.
South Indian Railway, Locomotive and Carriage shops, Negapatam.	28th February. 9th August. 17th December.

2. A detailed statement of accidents reported during the year, together with a list of factories, is herewith enclosed.

3. None of the accidents were serious.

MADRAS,
17*th March* 1890.

(Signed) S. SMITH, Major, R.E.,
Inspector of Railway Workshops.

ENCLOSURES.

DETAILED Statement of Factory accidents on the Madras and South Indian Railways for 1889.

Railway.	Factory.	Date.		Remarks.
		Month.	Day.	
Madras Railway.	Perambúr works.	January ..	16th	A cooly was injured by his hand getting caught between two cog wheels of a travelling crane.
		April ..	5th	A cooly was injured by his finger getting caught in a circular saw.
		May ..	22nd	A boiler smith was injured by a piece of iron from a rivet striking him in the eye.
		June ..	19th	A cooly was injured by his hand getting caught between a piece of timber and a saw mill bench.
		July ..	5th	A cooly was injured whilst lifting a four-legged ladder.
		Do. ..	15th	A cooly was injured by his hand getting caught between the pinion and wheel of a crane.
		October ..	11th	A striker was injured by a piece of hot iron striking him in the eye.
South Indian Railway.	Negapatam works.	January.	10th	A boiler-smith was injured by a piece of steel striking him.
		March ..	16th	A striker was injured by a hammer falling on his foot.
		July ..	5th	A moulder was injured by some molten iron falling on his foot.
		August. ..	19th	A fitter was injured while examining the stationary engine of the tool shop.
		September.	6th	A smith was injured by a piece of hot iron dropping on his chest and arm while holding it with tongs.
		October ..	17th	A striker was injured by a bar of iron dropping on his foot while working the steam hammer.
		Do. ..	22nd	A sawyer was injured while cutting a piece of wood in the circular saw.
		Do. ..	28th	A moulder was injured by molten brass falling upon his foot.
		December.	3rd	A boiler-smith was injured by getting his toe jammed between two planks.

LIST of Factories.

Name of district.	Name of factory.	Number of hands ordinarily employed.				Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Children.			
		Men.	Women.	Males.	Females.		
Madras ..	Perambúr Railway workshops ..	2,872	..	..	..	Sufficiently fenced.	Good.
Trichinopoly	South Indian Railway Engineering shops.	450 to 500	..	25 to 30	..	Do.	Do.
Tanjore ..	South Indian Railway Locomotive and Carriage shops.	2,050	..	..	..	Do.	Do.

No. 193.

Endorsement on the above.

Submitted to Government with reference to G.O., dated 9th February 1883, Nos. 329-330, Judicial.

MADRAS, *17th March* 1890.

(Signed) S. SMITH, Major, R.E., for *Consulting Engineer for Railways.*

To the Chief Secretary to Government.

From H. SEWELL, Esq., District Magistrate, South Arcot, to the Chief Secretary to Government, dated Chidambaram, 17th March 1890, No. 303-Ind.

With reference to G.O., 5th March 1883, No. 625, Judicial, and paragraph 6 of G.O., dated 9th February 1882, No. 193, I have the honor to forward herewith reports from the Deputy Magistrates, General Duty, Cuddalore and Tirukoilúr on the working of the Indian Factories Act, 1881, during the calendar year ending 31st December 1889.

2. There are two factories in the district, one at Nellikuppam and the other at Tiruvennanallúr, falling within the scope of the Act. Both of them were in working order during the year under report.

3. The factory at Nellikuppam is situated within the Cuddalore Deputy Magistrate's Division. This officer, as well as his predecessor, the Assistant Magistrate, have inspected it on three occasions during the year.

4. There were 7 accidents in this factory during the year. None of them proved fatal. In six of these cases, the injured persons were sent to the hospital at New Town, Cuddalore, for treatment and soon recovered, while a boy concerned in the seventh case got himself cured by private treatment. The two accidents, referred to in paragraph 5 of the Deputy Magistrate's report, occurred on the 12th March 1889, and the omission on the part of the Agent of the factory to give the prescribed notice was brought to my notice on the 2nd May by the Assistant Magistrate who submitted, for my instructions, the Agent's explanation for his omission. In justification of his omission, the Agent stated that the injured boys were employed in collecting rubbish in the factory compound and therefore in a work most remotely connected with the manufacturing process and exempted from the operation of the Factories Act. My decision on the point was that the Agent was bound to give notice, inasmuch as the accident occurred in a part of the factory not used as a dwelling-house. Thereupon, the Deputy Magistrate who succeeded the Assistant Magistrate accorded, in his proceedings, dated 13th July 1889, sanction to prosecute the Agent under section 15 of the Act and requested me to arrange for the trial of the case. As this was the first instance of such failure in this factory, and as there had been considerable delay in the inquiry, I did not think it necessary to take further steps in the matter beyond drawing the attention of the Agent to the rules laid down by Government in such cases and warning him to follow them out strictly in future. I also sent copy of my order to Messrs Parry and Co., the Proprietors of the factory.

5. The sanitary condition and ventilation are reported to be fairly good. Juveniles, under the prescribed age, are not employed.

6. The factory at Tiruvannanallúr lies within the Tirukoilúr Deputy Magistrate's Division. This officer has inspected it once and his predecessor twice during the year.

7. There were no accidents in this establishment.

8. There was proper ventilation and the sanitation was good on the first and second occasions, but unsatisfactory on the third.

9. The statement prescribed by Government in its Order No. 1760, dated 7th July 1885, is submitted.

1834/7

ENCLOSURES.

From M.R Ry. V. SUBBIAH Avergal, B.A., Deputy Magistrate, on General Duty, South Arcot, to the District Magistrate of South Arcot, dated Tirukoilúr, 14th February 1890, No. 35.

I have the honor to submit my report on the working of the Factory Act in this division for 1889.

2. Of the two factories in this division the sugar factory and arrack distillery of Messrs. Parry and Co. at Tiruvannanallúr alone is a registered one, as more than 100 persons are employed there. In the year under report, they were so employed in 186 days.

3. An adult male or female cooly attends to work from 7 to 12 A.M. and again from 2 to 7 P.M., working altogether 10 hours a day.

4. When coolies are employed both day and night the following arrangement is followed:—

(1) A cooly works from 7 A.M. to 1 P.M. and then goes home. He returns to work again at 7 P.M. and works till 1 A.M. Likewise the relieving cooly attends to work at 1 and works till 7 P.M., and he again attends to work at 1 and works till 7 A.M. Thus each cooly works 12 hours a day.

5. The coolies are generally well-fed and clothed. As a rule, children are not employed.

Adult male 1½ to 4 annas.
Female 1¼ to 1¾ annas.

6. All the coolies are employed on daily wages. Once a fortnight, they are paid regularly. Their wages do not appear to be unnecessarily withheld.

7. As they lose livelihood, the coolies are not in favor of enjoying good many holidays. They enjoy 6 days for Pongal and 3 days for Deepavali in a year and the Muhammadan coolies enjoy additionally 3 days for Mohurrum and 2 days for Ramzan and Kuthba. All these work on Sundays and holidays.

8. Sugarcane season begins from 1st March and ends by 15th May.

9. I have inspected the factory once and my predecessor twice in the year. I beg to send an extract from the registers showing the state of the factory as found at times of inspection.

10. No accidental death is reported during the year.

REPORT on inspection of Factory in the Division of the Deputy Collector on General Duty, Tirukoilúr, for 1889.

No.	Name or description of factory.	Name of occupier or manager.	Date of inspection.	Number of persons at work on the date of inspection.				Machinery whether fenced or not.	Ventilation and sanitation.	Remarks.
				Adult.		Children.				
				Male.	Female.	Male.	Female.			
1	Sugar factory and distillery, Tiruvannanallúr.	E. C. G. Gill, Esq., Agent of Messrs. Parry and Co.	19-6-89..	149	6	..	..	Fenced. Square boilers are not now at work.	Ventilation good; sanitation fair.	The distillery is kept very clean.
			15-8-89..	172	16	..	..	Do. do.	Do. do.	Do. do. S. Swaminathaier, Deputy Magistrate.
			14-9-89..	69	10	..	..	Yes.	Ventilation good; sanitation not as it ought to be; premises not properly cleaned.	The distillery is kept very clean. (Sd.) V. Subbiah, Dy. Magistrate.

From M.R.Ry. T. SUNDARA Row Avergal, Deputy Magistrate, General Duty, Cuddalore, to the District Magistrate of South Arcot, dated Cuddalore, 28th February 1890, No. 66.

I have the honor to submit my report on the working of the Factory Act for the calendar year 1889. The factory at Nellikuppam belonging to Messrs. Parry and Co. was inspected during the year by me and by my predecessor Mr. Walker on the three * occasions noted in the margin and the result of the inspections is given in Statement B (enclosed)

* 29th April 1889.
11th July ,,
30th November ,,

2. On the two occasions I was there, I found the sanitary condition and the ventilation of the factory fairly good, and Mr. Walker appears to have visited the factory with reference to your endorsement on the report of the District Surgeon, dated 12th April 1889, regarding his inspection of the factory, and expressed his views regarding the offensive smell noticeable about the drainage channels in this office letter, No. 53, dated 22nd May 1889. As no children under 12 years of age were employed in the factory, the registers D and E (rule 15) and the file of certificates in form C (rule 14) have not been maintained.

3. There were seven accidents during the year under report, and, in all these cases, the injured persons were successfully treated in the hospital at Manjakuppam. A statement showing the details of each case is herewith submitted.

4. There were no prosecutions in the year.

5. The last two accidents happened to two boys who were collecting rubbish in the compound and happened to fall between two railway wagons coming in opposite directions. They recovered from the injuries received. The agent did not report the matter, as the boys were occupied in doing work unconnected with manufacturing processes and his prosecution was sanctioned by the Inspector (Divisional officer); but, considering that this was the first time such omission had occurred, the District Magistrate stayed the prosecution and warned the agent. These boys were reported by the Police to be 10 years of age, but, although they looked diminutive, they might have been 12 years old. The agent had issued strict orders that boys under that age are not to be employed any where in the factory.

6. As the agent had no copy of the rules under the Factory Act hung up in the factory, a new copy of the rules in English and Tamil was supplied to him in the year under report.

STATEMENT showing the number of Persons employed on the dates of inspection and the state of the Factory with reference to sanitation and ventilation during the year 1889.

Name of district.	Name of factory.	Date of inspection.	No. of heads employed on the dates of the three inspections.				Machinery whether fenced or not.	Ventilation and sanitation.
			Adults.		Children.			
			Men.	Women.	Males.	Females.		
South Arcot ..	Sugar manufactory and refinery and Spirit distillery, Nellikuppam.	29th Apr. 1889.	345	20	..	..	Fenced.	Fairly good.
		11th July ,,	420	10	..	..		
		30th Nov. ,,	618	103	Over 12 years. 132	2		

STATEMENT showing accidents that occurred in the Sugar Manufactory and Refinery and Spirit Distillery at Nellikuppam during the year 1889.

Date of occurrence.	Name.	Caste.	Sex.	Age.	Nature of injury and how caused.	Remarks.
12th Apr. 1889.	Appaswami Padayachi.	Pulli ..	Male ..	30	Legs and trunk scalded owing to the man slipping on the gangway over certain receivers of thickened syrup and falling into a charge let down only a few hours previously and of a temperature of about 160° Fah.	The accident would not have occurred if the man had used the hand. Discharged from New Town Hospital on 30th April 1889.
30th ,, ,,	Nessanoor Narayanan.	Pulli ..	Do. ..	20	Crushing of the finger by his sleepily attempting to rest his hand in a small spur and pinion in motion.	Discharged from the hospital on 14th May 1889.

Statement showing accidents that occurred in the Sugar Manufactory and Refinery and Spirit Distillery at Nellikuppam during the year 1889—*cont.*

Date of occurrence.	Name.	Caste.	Sex.	Age.	Nature of injury and how caused.	Remarks.
22nd July 1889..	Calveroyan ..	Padayachi.	Male ..	13	Slightly cut about leg and testicle. The accident was caused by the boy being caught between two trucks that were shunted slowly while he was carrying a load of chunam not observing where he was going.	Discharged from the hospital on 9th August 1889.
27th Aug. ,,	Peria Auguly.	Pariah..	Female.	24	Bruised or possibly broken toe by a billet of wood falling on the same.	Do. 4th September 1889.
24th Nov. ,,	Govinda Asari.	Smith ..	Male ..	35	Burns on right leg and both arms caused by tilting of a crucible of a melted metal.	Do. 28th December 1889.
12th Mar. ,,	Valayudem ..	Pariah ..	Do. ..	10	Compound comminuted fracture of right cheek bone, by falling between two wagons coming in opposite directions.	Do. 20th April 1889.
12th Mar. ,,	Savurimuthu..	Do. ..	Do. ..	11	Hurt about right temple and chest by falling between two wagons coming in opposite directions.	Had their own private treatment and got cured.

From Collector of Salem, dated 13th March 1890, No. 467.
,, Cuddapah, ,, 22nd January ,, ,, 50.
,, Chingleput, ,, 29th ,, ,, ,, 128.
,, North Arcot, ,, 16th ,, ,, ,, 37.
,, Trichinopoly, ,, 21st February ,, ,, 19-2.
,, Anantapur, ,, 11th March ,, ,, 68.
,, Madura, ,, 8th February ,, ,, 9.
,, Nellore, ,, 14th ,, ,, ,, 137.
,, South Canara, ,, 23rd April ,, ,, 1415.
,, Kurnool, ,, 5th ,, ,, ,, 184.
,, Tanjore, ,, 26th ,, ,, ,, 110.
,, Coimbatore, ,, 31st March ,, ,, 203.

ABSTRACT.—Forwarding *nil* statements on the working of the Factories Act, 1881, for the year 1889.

From A. M. JONES, Esq., Deputy Magistrate and Inspector of Factories, Nilgiris, to the District Magistrate, Nilgiris, dated Ootacamund, 25th March 1890, No. 39.

I have the honor to submit my report on the working of the Factories Act in the district during the year 1889.

2. The Murree Brewery, Ootacamund Branch, is the only factory in this district. It was inspected four times in the year, viz., 17th January, 30th August, 30th September and 31st December 1889. The first of the inspections was made by my predecessor, Mr. C. E. Plunkett, and the rest by myself.

3. No children under the age of 12 were employed in the factory during the year under report.

4. The hours fixed for work during the year were from 7 A. M. to 12 and from 1 to 6 P. M. daily, except Sundays, on which days the hours were from 7 to 12 A.M. only.

5. Two accidents were reported on the 2nd and 7th January in the opening of the year, and both have been described in detail in paragraphs 8 and 9 of my predecessor's report for last year, No. 26, printed in G.O., No. 941, Judicial, dated 31st May

1889. I will not therefore again take up time by describing these accidents at length, but I may mention that the part of the shaft by which the accident on the 7th January last was caused is securely protected by a drum encasing it, and all possibility of danger is now removed.

6. The manager of this factory now is Mr. J. L. Holland, who sees that all the rules under the Act are complied with. The engines are three, and the same as described in paragraph 4 of last year's report. Registers D and E have been regularly maintained, but there have been no entries, since no children have been employed.

7. I beg to append a statement in the prescribed form showing the result of inspections.

ENCLOSURE.

STATEMENT showing the number of persons employed during the year 1889 in the Murree Brewery, Ootacamund Branch.

Name of factory.	Date of inspection.	Number of persons employed.				Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Children.			
		Men.	Women.	Males.	Females.		
Murree Brewery, Ootacamund Branch.	17th Jan. 1889 ..	111	14	..	..	Yes; all securely fenced.	Clean and well ventilated.
	30th Aug. ,, ..	128	15	..	..		
	30th Sept. ,, ..	118	16	..	..		
	31st Dec. ,, ..	134	17	..	..		

No. 340.

Submitted to Government, Judicial Department.

2. The District Magistrate has no remarks to add to the above report.

OOTACAMUND, 26*th March* 1890. (Signed) C. F. MACCARTIE, *District Magistrate, Nilgiris.*

From L. M. WYNCH, Esq., Acting Head Assistant Magistrate, Kistna, to the District Magistrate, Kistna, dated Utukoor, 21st February 1890, No. 91.

I have the honor to submit my report under the Factories Act (XV of 1881) for the calendar year 1889.

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

3. This factory was thrice inspected by me on 4th June 1889, 30th October 1889, and 20th December 1889.

4. The registers prescribed by the rules were properly kept. A copy of the rules in English and Telugu, and a table of working hours and holidays, are posted up.

5. The hours fixed are from 6 A.M. to 6 P.M. with two hours' interval, that is, ten hours in all.

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

7. No accidents were reported in the year.

8. There was only one child employed during the year, who was duly mustered under Rule VII at each inspection. The falling off in the number is due to the places of those attaining the age of 12 not being filled up.

9. The usual tabular statement is enclosed.

ENCLOSURE.

Name of Division.	Name of Factory.	Number of persons employed.				Machinery whether fenced or not.	Ventilation and sanitation.	Date on which examined.
		Adults.		Children.				
		Men.	Women.	Male.	Female.			
1	2	3	4	5	6	7	8	9
Head Assistant Magistrate's Division.	Government Workshop, Bezváda.	272	..	1	..	Fenced ..	Good ..	4th June 1889.
		234	..	1	..	Do. ..	Do. ..	30th October 1889.
		186	..	1	..	Do. ..	Do. ..	20th December 1889.

No. 349.

Endorsement on the above.

Forwarded to the Chief Secretary to Government, Judicial Department.

2. This is the only factory in the district falling under the Factories Act.

MASULIPATAM, 22*nd March* 1890. (Signed) W. E. HALL, for *District Magistrate.*

From J. H. A. TREMENHEERE, Esq., Acting District Magistrate, Tinnevelly, to the Chief Secretary to Government, dated Tinnevelly, 29th March 1890, No. 531.

With reference to G.O., dated 5th March 1883, No. 625, Judicial, I have the honor to submit the annual report on the working of the Indian Factories Act (XV of 1881) in this district for the calendar year 1889.

1. Tuticorin Cotton Press Company (Limited).
2. Cotton Press of Darley, Butler and Co.
3. The Coral Mills Company (Limited).
4. Cotton Spinning Factory, Pápanásam.

2. During the year, there were four factories as marginally noted falling under the operation of the Act. The first three are situated in the Joint Magistrate's and the fourth in the Head Assistant Magistrate's division.

3. The subjoined statement shows the results of inspections:—

Name of Factory.	Number of times examined.	Date of inspection.	Number of persons employed.				Machinery whether fenced or not.	Ventilation and sanitation.
			Adults.		Children.			
			Men.	Women.	Male.	Female.		
		1889.						
1. Tuticorin Cotton Press Company (Limited).	3	17th April ..	80	8	..	..	Fencing satisfactory.	Satisfactory.
		23rd August.	80	8	..	..		
		2nd October.	80	12	..	..		
2. Cotton Press of Darley, Butler and Co.	3	16th April ..	70	13	..	..		
		15th June ..	69	14	..	..		
		22nd August.	68	12	..	..		
3. The Coral Mills Company (Limited).	4	18th April ..	218	80	..	..	Is well fenced in most places.	Fair.
		4th July ..	269	92	..	..		
		28th August.	219	132	..	..		
		21st December.	435	145	67	20		
4. Cotton Spinning Factory, Pápanásam.	3	6th May ..	340	112	..	..	Properly fenced.	Good. The rooms in which the looms are worked are well ventilated.
		14th December.	354	124	..	..		
		18th ,,	310	212	..	..		

4. The Joint Magistrate reports that there is nothing unusual to be remarked in the case of the first two factories, where ventilation, sanitary arrangements, and fencing of machinery are satisfactory and the rules under the Act were posted up. In the Coral Mills Company, the sanitary arrangements are fair and the managers promised to improve them. The Joint Magistrate suggested some additional fencing in the blow room, which the managers at once put up. As regards the Pápanásam mill, the Head Assistant Magistrate reports that the defect in the machinery remarked in the last year has been rectified. I quote here the remarks of the Head Assistant Magistrate regarding the machinery at his inspection of the factory on the 6th May and 18th December 1889 :—

"Inspected the machinery. A deal-wood frame has been put up covering the spoke wheel of the gin as pointed out at last inspection."

"Inspected the mills again in company with the managers. Pointed out that the tail race and lap passage should be covered up with planks. Managers promised to do it in the course of the day, as the planks were taken out to put up a pipe."

He reports that the large wheels are all well fenced. The managers have given their immediate attention to the remarks made at each periodical inspection, and he noticed no breach of the rules.

5. No accidents occurred in the first two factories of Tuticorin. Six occurred in the Coral Mills Company, and one in the Cotton Spinning Factory at Pápanásam, as given below :—

No.	Name of Factory.	Date of Accident.	Name.	Caste.	Sex.	Age	Nature of injury and how caused.	Remarks.
1	Tuticorin Coral Mills Company (Limited).	15th Feb. 1889.	Gurusami Naidu.	Gentoo ..	Male.	18	Compound fracture of right arm and removal of tip of two fingers of the right hand. These were caused when putting a belt on a shaft in motion.	The injured admitted that no one but himself was to blame.
2		10th Apr. 1889.	Alagirisami Naidu.	Do. ..	Do.	25	Compound fracture of the left forearm and simple fractures of the left upper arm and of the collar bone. These were caused owing to the breaking of a belt, one end of which caught the man's arm.	In this death resulted, but was probably caused by want of proper treatment, as the man's friends would not allow him to remain in the hospital.
3		24th June 1889.	Ramasami Naidu.	Do. ..	Do.	21	Fracture of the left arm. This was owing to the arm having been caught in a cord that drives the oiling arrangement of a bearing.	
4		25th June 1889.	Sudalamuthu Panikan.	Weaver .	Do.	40	Injury to jaw. This was owing to a fall from a ladder.	
5		3rd July 1889.	Sudalamuthu Pillay.	Hindu .	Do.	25	The fingers of one hand were crushed, caused by carelessly putting the hand between two rollers of a lap machine.	
6		8th Aug. 1889.	Devasagayam.	Christian.	Do.	12	Removal of a piece of flesh between finger and thumb, caused by negligently putting the hand between two small very slowly moving cogs of one of the spinning machines.	
7	Cotton Spinning Factory, Papanasam.	18th Feb. 1889.	Papanasam Pillai.	Hindu ..	Do.	20	Two of the left-hand fingers crushed.	This was due to the carelessness of the mill hand, and not to any defect in the machinery.

These accidents were reported to the Inspectors as required by the rules.

6. There were no prosecutions under the Act during the year.

7. No children were employed in the two cotton factories of Tuticorin; but the employment of "children" in the Coral Mills Company within the meaning of the Act was commenced in the beginning of October. The Joint Magistrate examined the registers D and E and found them properly filled in and certificates of ages filed. When the children were mustered on the 21st December 1889, he took the certifying Surgeon with him to satisfy himself as to the correctness of the ages entered in the registers. The four days' holidays for children are allowed every month. An interval of one hour from 12 noon to 1 P.M. has been fixed by Government * for the children employed in the factory for taking their food and rest. This is observed. As regards the spinning factory at Pápanásam, I quote here the remarks of the Head Assistant Magistrate made at his inspection on the 6th May and 14th December 1889 :—

* G.O., dated 6th December 1889, No. 2082.

Inspection on the 6th May 1889.

"I inspected the certificate of a few mill hands who appeared to be under age. Certificates are held in the case of all except one boy employed in the ring frame. I think the other suspicious cases are all right. They hold certificates. The close atmosphere of the mill, and having to work from sunrise to sunset in a heated room, tell upon the physique of the boys employed. The hours are not marked in Form F, but the mills worked from sunrise to sunset. I think the hours ought to be stated, because the interval from sunrise to sunset may be over 12 hours. Sometimes, the manager says, the mill is worked on alternate Sundays, and that this was begun in May."

Inspection on the 14th December 1889.

"No boys or girls are employed. Remarks on former inspection attended to."

8. When reviewing the report for the year 1888, the Head Assistant Magistrate was requested to order the working hours to be marked out, and to submit a special report as to the ages of the children. The special report of the Head Assistant Magistrate was submitted to Government as directed in paragraph 3 of G.O., dated 3rd May 1889, No. 941, which has been recorded (*vide* G.O., dated 18th July 1889, No. 1232).

9. At my inspection of this factory on the 17th January 1890 when on circuit to Ambásamudram, I saw a large number of both boys and girls obviously under 12 years of age (and this fact was not seriously disputed by the manager), and asked the Head Assistant Magistrate to state whether he never found children under 12 years of age at work there, and, if so, what action he took. In reply, the Head Assistant Magistrate sent in his report, No. 11, dated 28th January 1890, copy of which and of my proceedings thereon are herewith submitted.

ENCLOSURES.

From T. VARADA RAO, Esq., Acting Head Assistant Magistrate, Tinnevelly, to the District Magistrate, Tinnevelly, dated Shermádevi, 28th January 1890, No. 11.

With reference to your memoranum, No. 52, dated 17th January 1890, I have the honor to state that I inspected the Pápanásam Mills on 6th May 1889, 14th December 1889, and 18th December 1889.

2. The mills were again inspected on 11th January 1890 after my seeing you at Shermádevi.

3. I have the honor to state that all the boys and girls whom I examined were possessed of certificates to show they are above 12 years of age.

4. On the inspection of 11th January 1890, I took the civil apothecary of Ambásamudram with me. There were 66 absentees. We found about 10 or 15 children uncertified, but as they were not working at the looms, I could only accept the manager's statement that they were the children of the employés, who bring food for them.

5. The civil apothecary and I walked through ward after ward carefully examining every doubtful case. We could not find any uncertificated children. The 66 absentees on the day throw some doubt on the matter, as it is probable that the maistries turned out all suspicious

hands on our advent at the mills. Unless all the mill hands are mustered at the same time, it would be impossible to detect the cases of children uncertified being employed full time.

6. Mr. Ewart, the manager, who was present, concurs in my view and thinks that the maistries, who are paid on the work turned out, bring in children who have not been certified.

7. Mr. Ewart proposes to introduce short hours for children, and avoid further trouble. I have asked him to do so within a fortnight.

PROCEEDINGS of the District Magistrate of Tinnevelly, dated 14th February 1890, No. 282.

Read letter No. 11, dated 28th January 1890, from the Head Assistant Magistrate, reporting the dates on which Pápanásam mill was inspected.

Order.—I am sorry to have to remark that the Inspector does not keep these factories properly under the law. The 66 absentees were most probably working children, and the 10 or 15 uncertified children were certainly workers. If this laxity of administration continues, I shall report it to Government. Inspection should for the present be made once a month without notice, and it would be a good thing if the District Medical officer were taken in as an assistant.

(Signed) V. VENKATA RAJU,
for *Ag. District Magistrate.*

From Colonel T. WELDON, C.I.E., Commissioner of Police, to the Chief Secretary to Government, dated Madras, 31st March 1890, No. 37.

I have the honor to forward the report submitted by the Deputy Commissioner of Police as Inspector of Factories for the city of Madras for the year 1889.

ENCLOSURE.

From S. D. SIMPSON, Esq., Deputy Commissioner of Police and Inspector of Factories, Madras, to the Commissioner of Police, dated Madras, 28th March 1890, No. I.

I have the honor to submit my report under the Factories Act XV of 1881 for the calendar year 1889.

2. The factories in the city of Madras were visited by me, and, during my absence on leave, by Mr. Upshon, the Acting Deputy Commissioner.

3. The statement below shows the number of times the factories were inspected, the number of persons employed in them, and the state of the factories in regard to sanitation and ventilation:—

Name of Factory.	Dates of inspection.	Number of persons ordinarily employed.				Number of accidents.	Machinery whether fenced or not.	Ventilation and sanitation.
		Adults.		Children.				
		Men.	Women.	Male.	Female.			
	1889.							
Gun Carriage Factory ..	15th March 4th November 20th December	761	2	..	..	3	Yes.	Good.
Southern India Spinning and Weaving Mill.	5th March 6th April 12th June 29th October 14th November 24th December	541	18	..	..	9	"	"
Harbour Works	2nd March 5th June 4th November 4th December	790	90	..	..	20	"	"

Name of Factory.	Dates of inspection.	Number of persons ordinarily employed.				Number of accidents.	Machinery whether fenced or not.	Ventilation and Sanitation.
		Adults.		Children.				
		Men.	Women.	Male.	Female.			
	1889.							
Napier Works	12th March 10th June 21st October 23rd December	194	..	..	..	5	Yes.	Good.
Public Works Workshops	3rd March 8th June 4th November 21st December	219	..	..	..	5	"	"
Madras United Spinning and Weaving Mill.	19th March 5th August 21st October 30th December	520	34	..	..	3	"	"
Buckingham Mill ..	20th January 5th August 16th October 30th December	948	93	107	5	6	"	"
Carnatic Mill	20th January 5th August 16th October 30th December	1,192	119	61	2	9	"	"
Cement Works	12th March 10th June 21st October 23rd December	112	111	..	..	..	"	"
Bee Hive Foundry ..	4th March 10th June 29th October 31st December	139	..	..	..	..	"	"
Simpson and Co.	20th December ..	357	..	..	..	..	"	"

4. *New Factory.*—Messrs. Simpson and Co.'s Coach Building establishment on the Mount Road was inspected and registered as a factory by me on the 20th December 1889. About 300 persons are employed there, and a steam engine of 10 horse power is in use to turn lathes, &c. Their chief work is building and repairing carriages of all description and manufacturing harness.

5. *Children.*—The Buckingham and Carnatic Mills continue to employ children and have on their rolls 112 and 63 respectively. They are allowed the usual holidays, and are well cared for. They were seen by me at all my inspections. The children in the other factories are all now classified as adults, being over twelve years of age.

6. *Accidents.*—I append a list of accidents during the year. There were 60, against 57 in 1888. Statement A shows in detail the number in each factory, how they occurred, and the extent and description of the injury in each case. It will be seen from this statement that the injury sustained in all but 17 * cases were trivial. None proved fatal. I regret to state that there has been a large numbe[illegible]20) of accidents this year again in the "Harbour Works," and nearly all caused by trolly or skip-truck wheels. Of the 60 accidents reported, 16 were in no way due to machinery.

STATEMENT A.

Name of Factory.	Name of person injured.	Date of accident.	Caste.	Sex.	Age.	Nature of injury.
Gun Carriage Factory.	Mr. G. F. Blazey.	17th April 1889.	European..	Male ..	.. *	The thumb and middle fingers of right hand were severely cut and lacerated while working at a circular saw.
	Mr. W. Cuson ..	9th May 1889 ..	Do. ..	Do. ..	..	A severe gash on his right lobe of nostril and a cut on his right eyebrow while he was working at the 15 cwt. steam hammer.

STATEMENT A—*cont.*

Name of Factory.	Name of person injured.	Date of accident.	Caste.	Sex.	Age.	Nature of injury.
Gun Carriage Factory—*cont.*	Rajagopaul ..	3rd Sep. 1889 ..	Hindu ..	Male ..	..	A hurt on the right arm below the elbow while working at drilling machine.
Southern India Spinning and Weaving Mill.	Cooppoosawmy Naidu.	5th Jan. 1889 ..	Do. ..	Do. ..	16	Slight injury to his leg, having slipped down on the floor.
	Sadayen	10th April 1889.	Do. ..	Do. ..	18	Right arm bruised, caused by trying to put belt while the machine was in full speed and thus got his arm entangled between the belt and pulley and injured.
	Balajee Row ..	10th April 1889.	Rajaput ..	Do. ..	25	Slight injury, caused by taking pinion while the machine was in motion and thus got his hair caught between the spindle wheels and injured.
	Soosay	20th April 1889.	Christian ..	Do. ..	17	Injury sustained to three fingers of the right hand, caused by putting his hand to clean the spindle shafting wheel of rowing frame while in motion.
	Abboyee	3rd May 1889 ..	Hindu ..	Do. ..	16	Injury sustained to the left hand finger, caused by having caught hold of a mule-wheel while in motion.
	Ponnoosawmy ..	23rd May 1889 .	Pariah ..	Do. ..	18	Two fingers of the right hand slightly injured, caused by lickerin-in-card machine, while the machine was in motion.
	Kolandasawmy ..	22nd Oct. 1889 .	Christian ..	Do. ..	14	Two fingers of the right hand cut by a bobbin accidentally falling on them.
	Monisawmy ..	8th Nov. 1889 ..	Chetty ..	Do. ..	28	One finger of the right hand has been slightly injured caused by lickerin-in-card while placing lap on.
	Luchmana Naick.	9th Dec. 1889 ..	Hindu ..	Do. ..	35	Right hand fingers slightly injured, caused by taking out dirt from a roller of a card machine while in full motion, instead of stopping the machine and removing dirt.
Harbour Works ..	Coopoosawmy ..	11th Jan. 1889 .	Do. ..	Do. ..	30 *	Smashed the great toe of the right foot, caused by a truck wheel passing over his foot.
	Parthasarathy ..	21st Jan. 1889 ..	Do. ..	Do. ..	50 *	Smashed great toe of right foot caused by a rail falling on it.
	Parasuramen ..	22nd Jan. 1889.	Do. ..	Do. ..	30 *	Smashed third toe of his left foot, caused by a rail falling on it.
	Vigiam Naidu ..	22nd Feb. 1889.	Do. ..	Do. ..	40	Hurt the big toe of his right foot, caused by the falling of a teak log.
	Mr. A. Minnie ..	1st Mar. 1889.	European ..	Do. ..	47	Right thumb hurt, caused by the lever of the Titan-crab breaking and striking his right thumb.
	Anthoo	5th Mar. 1889.	Christian ..	Do. ..	25 *	Smashed the big toe of his right foot, caused by a skip-truck passing over his foot.
	W. Gear	6th April 1889.	Eurasian ..	Do. ..	30 *	Smashed a finger of the left hand, caused by a stone rolling on to his hand, while working under the sea.
	Gunga	15th April 1889.	Hindu ..	Do. ..	22 *	Smashed four toes of his right foot, caused by a skip-truck passing over his foot.
	C. Palayam ..	9th May 1889.	Pariah ..	Do. ..	20 *	Smashed his left leg big toe, caused by a truck wheel passing over his left foot.

STATEMENT A—*cont.*

Name of Factory.	Name of person injured.	Date of accident.	Caste.	Sex.	Age.	Nature of injury.
Harbour Works—*cont.*	Chellam	7th June 1889.	Hindu ..	Male ..	30	Wound on the left foot, caused by falling of a rail.
	Soonthra Moorthy.	18th June 1889.	Pariah ..	Do. ..	13 *	Fractured left arm, caused by elevator platform.
	Abraham	22nd June 1889.	Christian ..	Do. ..	30	Left arm bruised, caused by falling of a stone crusher jaw.
	Cooppen	8th July 1889.	Pariah ..	Do. ..	25 *	Smashed the second toe of his left foot, caused by dropping a hammer on his toe.
	Vencatasen ..	5th Aug. 1889.	Hindu ..	Do. ..	17 *	Smashed the right foot, caused by a skip-truck wheel passing over his foot.
	Rajoo	13th Aug. 1889.	Hindu ..	Do. ..	37	Wound on the great toe of the right hand, caused by the falling of a side rod buckle belonging to a low engine.
	Moothoosawmy ..	15th Aug. 1889.	Hindu ..	Do. ..	20 *	Two toes of the right foot crushed, caused by a skip-truck wheel passing over his foot.
	Moonisawmi ..	11th Oct. 1889.	Pariah ..	Do. ..	30	Wound on the right foot, caused by a truck passing over his right foot.
	Ponnappa Auchar.	15th Oct. 1890.	Hindu ..	Do. ..	40	Hurt his private part, caused by his cloth having been caught in the leather-band of the grinding stone.
	Drainaney ..	8th Nov. 1889.	Pariah ..	Female ..	30	Contusion on the right hip, caused by a sandskip striking her.
	Abdulryman ..	11th Dec. 1889.	Mussulman.	Male ..	25*	Scalded about the body, caused by a sudden and unexpected outflow of melted resin.
Napier Works ..	Cunnen	22nd Apr. 1889.	Naicken ..	Do. ..	24	Hurt near toe of the left foot by slipping and falling off a log of teak when lifting.
	Narasmimaloo ..	23rd Apr. 1889.	Naidoo ..	Do. ..	24	Hurt on top of the left foot by falling of blacksmith's anvil accidentally when he was assisting the blacksmith.
	Moonisawmy Naiker.	27th June 1889.	Vunneer ..	Do. ..	45	Injured right foot by a bar of iron falling upon it.
	William Aron ..	7th Sept. 1889.	East Indian.	Do. ..	17*	Left arm broken, caused by a blow received from a piece of work in the lathe he was attending.
	Thiroovengadum ..	17th Sept. 1889.	Moodelly ..	Do. ..	30	Wound on left arm, caused when lifting a bar of iron.
Public Works Workshops.	Ragaven	6th Feb. 1889.	Vunneer ..	Do. ..	32	Calf of right leg wounded by a piece of slag falling on it.
	T. Tunnee ..	29th Apr. 1889.	Pariah ..	Do. ..	50	Hurt on the right arm, caused by a stoke of the connecting rod of the punkah-pulling machinery.
	Permanayagum ..	1st June 1889.	Vellala ..	Do. ..	19	Left hand centre finger jammed, caused by removal of a foot lathe in the workshop.
	Ponnappa Naiker.	18th Nov. 1889.	Vannien ..	Do. ..	30	A deep cut on big toe and a slight one on the next toe, caused by fall of a piece of steel on left foot between two toes.
	Vurthen	13th Dec. 1889.	Hindu ..	Do. ..	22	The left shoulder and wrist, also the left hip, severely bruised by a fall from a platform while working at bamboo mats.
Madras United Spinning and Weaving Mill.	Paparajoo ..	31st Mar. 1889.	Rajah ..	Do. ..	45	Injury to fourth finger, caused by being caught between card and emery roller.

STATEMENT A—*cont.*

Name of Factory.	Name of person injured.	Date of accident.	Caste.	Sex.	Age.	Nature of injury.
Madras United Spinning and Weaving Mill—*cont.*	Parthasarathy ..	10th Oct. 1889.	Naicken ..	Male ..	25	Wound on the left side of the head, caused by being struck by a leather belt breaking suddenly.
	Nursoodurmajee..	18th Nov. 1889.	Maharatta..	Do. ..	35	Injury to the toe of right foot, and laceration over the same foot, and also slight scalp wound over head, caused by fall of a block while hoisting a piece of machinery.
Buckingham Mill.	Yaseemkhan ..	28th Jan. 1889.	Muhammadan.	Do. ..	11*	First joint of 3rd finger on left hand taken off by lifting up pinion cover and cleaning pinions in motion.
	Rajoo	26th Feb. 1889.	Naidu ..	Do. ..	12	Injury to the 1st finger of left hand, caused by lifting up pinion cover on ring frames.
	Asalem	22nd June 1889.	Pariah ..	Do. ..	36	Injury to the 1st joint of the 1st and 2nd fingers of right hand, caused while repairing a machine.
	Neelacundasawmy.	14th July 1889.	Hindu ..	Do. ..	40*	Flesh torn off fingers of both hands caused by taking cotton from machine in motion.
	Vadivaloo ..	27th July 1889.	Pariah ..	Do. ..	23	Injury to the 1st, 2nd and 3rd fingers of right hand, caused by putting his fingers between cogwheels while in motion.
	Albert Wilson ..	24th Aug. 1889.	East Indian.	Do. ..	22*	Right hand crushed slightly, caused by putting his hand in lap rollers.
Carnatic Mill ..	Ganapathy ..	3rd Jan. 1889.	....	Do. ..	14	Hurt on his 2nd and 3rd and 4th fingers of left hand, caused by putting his finger in quadrant motion of spinning frame.
	Yassiah	26th Apr. 1889.	Pariah ..	Do. ..	14	Hurt between the thumb and first finger of right hand, caused by putting his hand in the throstle traverse motion wheel.
	Syed Cauder ..	5th May 1889.	Mussalman.	Do. ..	25	Hurt on his left leg, caused by the fall of a hand-bucket accidentally.
	Chella Cootty ..	14th May 1889.	Pariah ..	Do. ..	22	Hurt on right thumb, caused by a wrought-iron pipe falling on his hand.
	Venkatasawmy ..	20th May 1889.	Pariah ..	Do. ..	22	Hurt on his 2nd finger of right hand, caused by putting it in a pair of wheels in the roving frame.
	Mooroogan ..	25th July 1889.	Pariah ..	Do. ..	14	Hurt on the back of his left hand, caused by putting it in gearing portion of the winding machine while in motion.
	Chithrey ..	3rd Sept. 1889.	Pariah ..	Do. ..	24	Injury to his left hand, caused by putting it while the machine was in motion.
	Soobbrayen ..	7th Nov. 1889.	Moodelly..	Do. ..	50	Hurt of his right thumb, caused by carelessly putting it in the wheel of the rope alley while working.
	Ponnoosawmy ..	17th Dec. 1889.	Pariah ..	Do. ..	13	Hurt on his 1st finger of right hand, caused by putting his finger in the pinion wheel of the throstle-frame while working.
Cement Works ..	....	....	....	..	..	
Bee Hive Foundry.	....	....	....	..	..	
Simpson and Co...	....	....	....	..	..	

ORDER—dated 9th June 1890, No. 982, Judicial.

At the close of the year 1888, there were 28 factories in the Madras Presidency which had been brought under the operation of Act XV of 1881. The corresponding figure for the year under report is 30, the change being due to the inclusion of the three new factories noted in the margin, and the exclusion of the Madras Arsenal as intimated in the Inspector's report for the previous year. The names and particulars of the 30 factories will be found in the appendix to these Proceedings. From the returns submitted, it is not clear whether the Tuticorin Cotton Press and the factory belonging to Messrs. Darley, Butler and Co., in the same town, fall within the definition of a factory as contained in section 2 of the Act, for the number of employés in these institutions was ascertained at the inspections to fall in every instance below the minimum of one hundred. In future, when this is found to be the case, the inspecting officer should ascertain and note in his report the maximum number employed on any working day throughout the year.

(1) Messrs. Dymes and Co.'s Cotton Press, Adóni.
(2) Messrs. Simpson and Co.'s Carriage Factory, Madras.
(3) The Coral Mills Company, Limited, Tuticorin.

2. *Inspection of Factories.*—The Government observes with satisfaction that, during the year under report, all factories with but one exception have been visited by the official Inspector at least three times during the year, in accordance with the prescribed rules. The single exception is that of the Arsenal at Bellary, which was inspected only twice. No reason has been assigned for the omission in this case, which should be explained.

3. *Condition of Factories.*—The returns also show that Managers of factories have been alive to the necessity of protecting their workmen from dangerous machinery, as well as to the advantages resulting from the proper ventilation and sanitation of their premises. The only remark of an adverse nature which has been recorded relates to Messrs. Parry and Co.'s Sugar Factory at Tiruvennanallúr, the sanitation of which on the occasion of one of the Inspector's visits was considered to be defective. It is hoped that the proprietors of this factory will take measures to remedy the want of cleanliness then observed.

4. In regard to other provisions of the Factories Act and of the rules made thereunder, several instances of neglect on the part of the Managers have been brought to notice by District Magistrates. Thus, although the Malabar Spinning and Weaving Company has been on the list of factories for two years, yet on the occasion of the District Magistrate's first inspection during the year under report, the provisions of the Act were found to be generally disregarded. It is not understood why the plea of ignorance put forward by the Manager was accepted, but it is satisfactory to observe that at the two subsequent inspections, the deficiencies previously commented upon had been remedied.

Again, Rules XVI and XXIII of the rules under the Act, which respectively require that in every factory a notice of its working hours, together with a copy of the Factory Rules, should be exhibited in a conspicuous place, were found to have been neglected, the former at the Arsenal, Bellary, and the latter both at the Government Factory, Dowlaishweram, as well as at Messrs. Parry and Co.'s Factory at Nellikuppam. The necessary measures have been taken to remedy these irregularities.

5. *Employment of Children.*—In paragraph 3 of G.O., dated 31st May 1889, No. 941, comment was made upon the decrease since 1887 in the number of children employed in factories, which was assumed to be 140 for the year under report. A subsequent statement submitted by the Inspector of Factories for the Presidency Town, and recorded in G.O., dated 19th August 1889, Nos. 1431 and 1432, showed that, if account had been taken of 477 children employed in two Madras factories, regarding whom no previous report had been received, the correct total of children employed in factories during 1888 would have been 617, against 842 in 1887. The corresponding number of children for 1889 was 844, of whom more than one-half were employed by the Bellary Spinning and Weaving Company.

6. The Government regrets to have to observe that the provisions regulating the employment of children in factories are still, as will be seen from the following instances, in some measure disregarded:—

(*a*) In G.O., dated 31st May 1889, No. 941, attention was directed to the Cotton Spinning Factory at Pápanásam, in which during 1888 a large number of children were employed whose certificates as to age were of a dubious nature. The District Magistrate at a personal inspection of this factory on 17th January 1890 found "a large number of both boys and girls obviously under 12 years of age—a fact not seriously disputed by the Manager." Similarly, when the Head Assistant Magistrate inspected the same factory on 11th January, he noticed that there were no less than 66 absentees many of whom were probably uncertified children hastily got out of the way by their maistries. These facts suggest that children under twelve are being systematically employed in this factory and classed as adult laborers. It is hoped that the orders passed by the District Magistrate will suffice to put a stop to such proceedings in the future, but the Government thinks it advisable that, for some time to come, a careful watch should be maintained over the employment of labor in this factory, and recourse should be had, if necessary, to the penal clauses of the Act.

(*b*) Files of certificates in Form C were not maintained during the year at the factory belonging to Messrs. Parry and Co. at Nellikuppam. It is, however, observed that, of the seven accidents at this factory during 1889, two occurred to children apparently ten and eleven years old, respectively, although their employer alleged them to be over twelve. These two cases would suggest that laxity similar to that which has been commented upon in the instances brought to light at Pápanásam exists in the Nellikuppam Factory.

His Excellency the Governor in Council before quitting this subject desires to call the attention of all inspecting officers to Rule VII of the rules issued under the Act, which lays down that, at every inspection of a factory, a muster should be held of all the children employed in it. No such muster seems to have taken place at the inspections made of the marginally-noted factories, where children are more or less largely employed.

(1) The Bellary Spinning and Weaving Co.
(2) The Malabar do. do.
(3) The South Indian Railway Engineering Shops, Trichinopoly.

7. *Accidents.*—One hundred and three accidents were reported during 1889, as against 89 and 112 in the two preceding years. Although this figure is slightly higher than that of 1888, yet the proportion of accidents to persons employed is less, as is shown in the margin. In other respects, too, a comparison of the figures for the years is not discouraging. Against th deaths in 1888 only one fatal accident occurred during the year under review, and this was due less to the injuries sustained than to the refusal on the part of the friends of the injured man to permit him to remain under hospital treatment. The list of accidents at the South Indian Railway factories, which had fallen from 28 in 1887 to 13 in 1888, was further reduced to 9 in the year under review, the difference being chiefly due to the entire absence of accidents at the Trichinopoly workshops. The Government notes this improvement with satisfaction.

	Employés.	Accidents.	Percentage.
1888	14,516	89	·61
1889	17,425	103	·59

8. The single fatal accident above referred to happened at the Tuticorin Coral Mills, which was one of the factories newly registered during the year 1889. As no less than 7 accidents, mostly of a severe nature, have already occurred at this factory, the measures adopted in it for the safety of the employés require to be carefully inspected. Though the proportion of accidents at the Madras Harbour Works continues high, yet they appear to be due, to a considerable extent, to the carelessness of the workmen themselves, and not to any negligence on the part of the authorities.

9. *Prosecutions.*—Prosecutions were commenced in two cases—the first against the Manager of the Malabar Spinning and Weaving Company for disregarding various provisions of the Act, and the second against the Manager of Messrs. Parry and Co.'s Factory at Nellikuppam for omitting to give notice of the two accidents already referred to in paragraph 6 (*b*) *supra*. In both cases, however, the District Magistrate abandoned the proceedings, being of opinion that a warning would be sufficient.

(True Extract.)

J. F. PRICE,
Chief Secretary.

To all District Magistrates.
„ the Public Works Department.
„ the Inspector-General of Police.
„ Commissioner of Police.
„ Consulting Engineer for Railways.

Exd. A. Raitt.

No.	Situation.		Name of Factory.	Number of hands employed.			Number of accidents.	Machinery whether fenced or not.	Ventilation and sanitation.
	District.	Town or village.		Men.	Women.	Children.			
1	Bellary	Adóni	Messrs. Dymes and Co.'s Cotton Press ..	37	32	..	Nil.	Well fenced	
2		Bellary	Do. do. ..	1	37	..	Nil.	Fenced	Good.
3			Do. Spinning and Weaving Company ..	325	98	485	3	Do.	Do.
4	Ganjam		The Arsenal	218	..	..	Nil.	Do.	Do.
5	Godávari	Asks	Minchin Brothers' Sugar Factory	420	..	..	1	Do.	Do.
6	Kistna	Dowlaishweram ..	Government Workshop	98	1	30	Nil.	Securely fenced	Clean and well ventilated.
7	Madras	Bezváda	Do. do.	186	..	1	Nil.	Fenced	Good.
8		Madras	Gun Carriage Factory	761	2	..	3	Do.	Do.
9			South India Spinning and Weaving Mill ..	641	18	..	9	Yes	Do.
10			Harbour Works	790	90	..	20	Do.	Do.
11			Napier Works	194	..	..	5	Do.	Do.
12			Public Works Workshop	219	..	..	5	Do.	Do.
13			Madras United Spinning and Weaving Mill ..	520	34	..	3	Do.	Do.
14			Buckingham Mill	948	93	112	6	Do.	Do.
15			Carnatic Mill	1,192	119	63	9	Do.	Do.
16			Cement Works	112	111	..	Nil.	Do.	Do.
17			Beehive Foundry	139	..	..	Nil.	Do.	Do.
18			Messrs. Simpson and Co.	357	..	..	Nil.	Do.	Do.
19			Railway Workshop	2,872	..	..	7	Sufficiently fenced	Do.
20	Malabar	Perambore ..	Malabar Spinning and Weaving Company ..	283	23	88	5	Fenced as far as possible ..	Do.
21	Nilgiris	Pannisankara ..	Murree Brewery Company	134	17	..	2	All securely fenced	Clean and well ventilated.
22	South Arcot ..	Ootacamund ..	Messrs. Parry and Co.'s Sugar Mill, Refinery and Distillery.	750	105	..	7	Fenced	Fairly good.
23		Nellikuppam ..	Messrs. Parry and Co.'s Sugar Factory and Distillery.	69	10	..	Nil.	Yes	Ventilation good. Sanitation not as it ought to be.
24	Tanjore	Tiruvennanallúr ..	South Indian Railway Locomotive and Carriage Shops.	2,050	..	..	9	Sufficiently fenced	Good.
25	Tinnevelly ..	Negapatam ..	Tuticorin Cotton Press Company	80	12	..	Nil.	Fencing satisfactory	Satisfactory.
26		Tuticorin	Cotton Press of Darley, Butler and Co.	68	12	..	Nil.	Do.	Do.
27			The Coral Mills Company (Limited)	435	145	77	6	Is well fenced in most places ..	Fair.
28			Cotton Spinning Factory	310	212	..	1	Properly fenced	Good, well ventilated.
29	Trichinopoly ..	Pápanásam ..	South Indian Railway Engineering Shops ..	475	..	28	Nil.	Sufficiently fenced	Good.
30	Vizagapatam ..	Trichinopoly ..	Messrs. Arbuthnot and Co.'s Gunny Factory ..	610	158	..	2	Properly fenced	Do.
		Chittivalsa ..							
			Total Men ..	15,193	1,358	884	103		
			Women ..	1,358					
			Children ..	884					
			Employés ..	17,435					

1834/12

Govt. of {1890} Madras.

JUDICIAL.

No. 1834 Wy 4 July 1890

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Issued

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2d R. R. E. D. B.

G.O., 9th June 1890, No. 982.

JUNE.

Indian Factories Act.

Reviewing the reports on the working of the — for 1889.

Dc S. Ec

el N. J. Bl