

Public Works (1897) Department.

G.O., No. 493 R

DATED 23. July 1897

[Despatch Abstract.]

Registration of Sleepers: Encl. Encl. circular
stating that the — and the submission of
the necessary returns may be discontinued
Compt. & Re. Agents, Madras & S. D. Agents.

P.W. 25.
[5,000—80—11—96.]

Indexed.

29/7/97

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

Pl. 333

[illegible][illegible]

To The Joint Secretary to the Government of Madras,
Public Works Department, Railway Branch.

RAILWAY.

Statement showing number of sleepers registered and taken out during the year—

Mileage.	Telegraph post.	Description of sleepers.	Date laid.	Number marked.	NUMBER TAKEN OUT TO END OF		Date taken out.	Gradient.	Description of ballast.	Straight or curve.	REMARKS.
					1882.	1883.					
1	2	3	4	5	6	7	8	9	10	11	12
9	3 to 8	E 79	1879	750	...	...	...	1 1/2	Stone and sand ...	Straight	E.—Cresoted pine from England.
35	8 1/2 to 11 1/2	C. J.	1879	250	70	10	June 1883 ...	1 1/2	"	"	C. J.—Jungle wood sleepers from Contractors.
36	11 1/2 to 14 1/2	C. J.	1879	250	...	...	October " " " "	1 1/2	"	"	
50	14 1/2 to 17 1/2	C. J.	1879	500	...	...	April " " " "	1 1/2	"	"	
51	17 1/2 to 20 1/2	C. J.	1879	500	...	...	June " " " "	1 1/2	"	"	
56	20 1/2 to 23 1/2	F. T. F. J.	1880	{ F. T. 222 F. J. 278 }	3	...	October " " " "	Level and 1 1/2	Moorum	Curve	Ditto
76	23 1/2 to 26 1/2	F. T. F. J.	1881	{ F. T. 284 F. J. 216 }	...	...	June 1883 ...	1 1/2	Stone and moorum	Straight	F. T.—Forest oak; F. J.—Forest jungle sleepers.
88	26 1/2 to 29 1/2	F. T. F. J.	1881	{ F. T. 2 F. J. 3 }	...	10	July 1883 ...	1 1/2	" and sand ...	"	Ditto
94	29 1/2 to 32 1/2	C. J.	1881	{ F. T. 495 C. J. 500 }	...	13	August 1883 ...	Level	"	"	Ditto
					...	...		"	"	Curve	C. J.—Jungle wood sleepers from Contractors.
					...	...		"	"	Curve	Ditto

Dated _____

Manager,
Railway.Superintendent, Way and Works,
Railway.

[General Distribution.]



Circular No. 2 Railway.
GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY CONSTRUCTION.

To

THE GOVERNMENTS OF BOMBAY, BENGAL AND THE NORTH-WESTERN PROVINCES
AND OUDH.
THE CHIEF COMMISSIONERS OF THE CENTRAL PROVINCES AND BURMA.
THE RESIDENT AT HYDERABAD.
THE DIRECTOR GENERAL OF RAILWAYS.*
THE CONSULTING ENGINEERS TO THE GOVERNMENT OF INDIA FOR GUARANTEED
RAILWAYS, CALCUTTA AND LUCKNOW.
THE CONSULTING ENGINEER TO THE GOVERNMENT OF INDIA FOR RAILWAYS,
CENTRAL DIVISION.

Simla, August 5, 1887.

SIR,

In continuation of Public Works Department Circular No. 12 Railway, of
the 3rd June 1880, regarding the marking and registration of sleepers on
railways, I am directed to forward the accompanying Specimen Form, and to
request that it may, in future, be adopted in the preparation of the annual return
to be submitted to the Government of India.

I have the honor to be,

SIR,

Your most obedient Servant,

JAMES RAMSAY,
Offg. Under-Secretary.

Documents accompanying.

Specimen Form referred to.

Copy forwarded to the Governments of Madras and the Punjab, the Chief
Commissioner of Assam and the Agents to the Governor-General for Rajputana,
Central India and Baluchistan, for information, in continuation of Public Works
Department dockets, Nos. 300-305 R.C., of the 3rd June 1880.

Also to Accountant General, Public Works Department, for information.

By order,

Offg. Under-Secretary.

G. C. Press, Simla, —No. 404 P. W. D., —6-8-87,—1320.

*To The Secretary to the Govt of Madras,
Public Works Department.*

No 628 P 20 Aug 80.

P.W.C. No 6715

Communicated to the
Consulting Engineer for Railways
for information and guidance
in continuation of Progs. No 368
of 25 June 1880.

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24. 8. 7
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Recd. 20. 8. 87 in copy
By 26. 8. 87

with 36 S.C.

in No 574 A 29. 8. 87
563 A

To
The Consulting Engineer for Rys
with 20 S.C.

taken in
C. O. office
26/8.

See copy of the
Dr. H. P. D. P.
RIS.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY CONSTRUCTION.

To

Circular No. 12 Railway.

Dated, SIMLA, June 3rd, 1880.

Received

Order drawn 25th June 1880
No 368 S.R.

Communicated to the
Consulting Eng. for Rys with
reference to Pro. No 1097 of 16. 4. 73
(Time & cost say
Copy to R. M. A. P. 550 of 7. 7. 80
A 633 Col R.

Marking and registration of timber sleepers.

[For General Distribution.]

Circular No. 12 Railway.
GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY CONSTRUCTION.

To

THE GOVERNMENTS OF BOMBAY, BENGAL, AND THE NORTH-WESTERN PROVINCES AND OUDH.
THE CHIEF COMMISSIONERS, CENTRAL PROVINCES AND BRITISH BURMA.
THE RESIDENT AT HYDERABAD.
THE CONSULTING ENGINEERS TO THE GOVERNMENT OF INDIA FOR GUARANTEED RAILWAYS.
THE DIRECTOR GENERAL OF RAILWAYS.
THE FOREIGN DEPARTMENT (for communication to the Chief Commissioner of Mysore).

Simla, June 3rd, 1880.

SIR,

I am directed to forward for information Rules prepared by the Consulting Engineer to the Government of India for State Railways on the marking and registration of timber sleepers, in supersession of the orders communicated in Public Works Department Nos. 292-315S.R., dated the 27th February 1873. A supply of zinc nails, punches, &c., will be ordered from England, and the new system of registration should be commenced as soon as they are obtained. An indent should be submitted by you at an early date for the number of nails, &c., you are likely to require.

I have the honor to be,

SIR,

Your most obedient Servant,

F. FIREBRACE, Captain, R.E.,
Under Secretary.

Document accompanying.

Rules proposed by the Consulting Engineer to the Government of India for State Railways for the marking and registration of timber sleepers.

Nos. 300-305R.C.

Copy to the Governments of Madras and the Punjab, the Chief Commissioner of Assam, and the Agents to the Governor General for Rajputana, Central India, and Biluchistan, for information.

By order,

F. FIREBRACE, Captain, R.E.,
Under Secretary.

Enclosure to P. W. D. Circular No. 12 Railway, dated 3rd June 1880.

Rules prepared by the Consulting Engineer to the Government of India for State Railways for the Marking and Registration of Timber Sleepers.

The present system of branding sleepers will be discontinued and a system of marks on zinc nails will be substituted for it.

2. The marking and registration will be confined to a few selected miles.

3. The miles on which registration is to be adopted should be selected so as to afford different conditions of curve, gradient, ballast, &c., which may affect the life of a sleeper.

4. Every kind of timber in extensive use for sleepers should be included in the selected miles.

5. In case any railway is less than 50 miles in length, no detailed sleeper registration need be kept.

6. On lines exceeding 50 miles in length, the number of miles selected for registration shall be one for every 50 miles of railway, but shall not exceed a maximum of five miles on any one railway.

7. For marking sleepers, zinc nails will be used of the size and shape shewn in the sketch.

8. The zinc nail is to be driven into a countersunk hole, and on the head of the nail is to be punched the necessary marks for registration. After the marks have been punched, the countersunk hole is to be filled in with putty, which may remain until the sleeper is removed from the line.

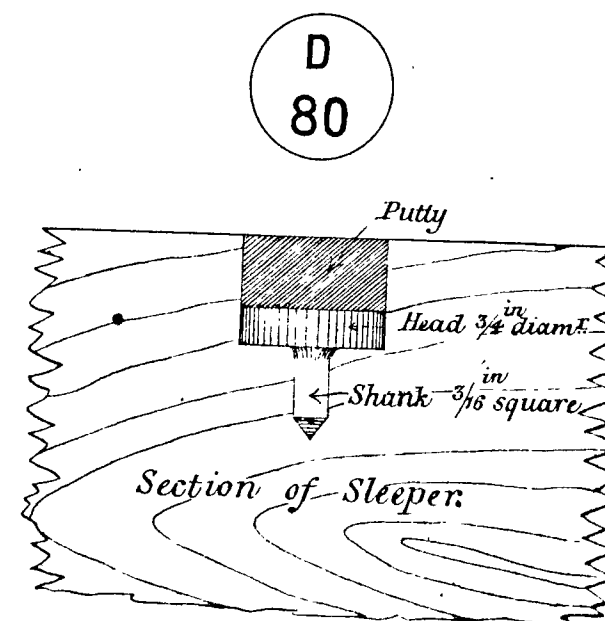
9. The character of the wood in the sleeper will be indicated by a letter on the head of the nail as below:—

A—Australian Timber,
B—Babool,
C—Cheel,
D—Deodar,
E—Creosoted pine from England,
T—Teak,

and such other letters as may from time to time be agreed upon to denote timber not included above.

10. Figures on the head of the nail will denote the year in which the sleeper is laid in the road.

11. Thus the mark sketched in margin denotes that the sleeper is of deodar and has been laid in the road in the year 1880.



(2)

12. The nail should be driven in on the top of the sleeper about four inches from one end.

13. There will be no separate store mark on any sleeper registered.

14. The line denoting the half of the year will be discontinued.

15. These rules will cancel Government of India Circular Nos. 292-315S.R., dated 27th February 1873.

16. A report on all sleepers taken out of the selected miles must be sent to Government at the end of every year.

31-1-80.

G. L. M.

Rules prepared by the Consulting Engineer to the Government of India for State Railways for the Marking and Registration of Timber Sleepers.

G. C. B. Press, Simla, — No. 122a D. G. E. — 7-6-80—850.

REGISTRATION OF SLEEPERS.
Opinions of Officers.

Officers.	Present system (branding).	Proposed system (zinc nails).	Remarks.
Colonel Medley			Does not consider registration necessary.
Mr. Mallet, Indus Valley	Marks likely to wear out, troublesome and dangerous in a dépôt.		Recommends cleaning surface and punching. Advises registration of a few selected miles only.
Mr. Breton, Punjab Northern	Not satisfactory	More efficient and expeditious.	
Lieutenant Maxwell, Nizam's	Not found troublesome, expensive or inefficient.	Superior but more expensive	Advises marking on side instead of ends.
Mr. Dangerfield, Holkar	Very troublesome and inefficient	Unnecessarily elaborate and expensive.	Recommends cutting marks in Roman figures with chisel.
Captain Engledue, Dhond and Mannad		Much more efficient, and cheaper.	
Mr. Izat, Dhond and Mannad	Very inefficient	More lasting but more expensive	Advises marking on side instead of end.
Colonel Mayne, Central Provinces	Not expensive nor troublesome	Sufficient	Recommends $\frac{1}{4}$ inch head and $1\frac{1}{2}$ shank.
Mr. Henderson, Mysore		Preferred.	
Captain Bisset, Rajputana	Costly and inefficient	Should be tried	Advises marks at top instead of end.
Colonel Stanton, Bengal	Inefficient	Recommends trial.	
Mr. Rigny, Tirhoot	Not as efficient as it should be	Desirable to introduce some such system.	
Mr. Finney, Northern Bengal	Troublesome and inefficient	Decidedly superior in point of efficiency.	
Baboo Ram Gotty Mookerjee, Nulhati	Neither troublesome nor expensive, but inefficient.		Recommends one letter and one number on each sleeper.
Dr. Brandis (Forests)			