

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1524-25/24	Press
B.P. No.		Mis.
Dated	20-6-	1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
20th June 1876.*

No. 319. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 9th June 1876, No. 288:—

WITH reference to the Proceedings of Government, No. 8, dated 2nd March 1876, I have the honor to inform you that Silber's lamps are used on the platforms at the Madras Central Station, at Arconum, Vellore, Salem, Bellary, Bangalore, and Erode, and in all the 3rd-class waiting-rooms on the Madras Railway. They are also used in the Semaphore signals at the goods-shed and Veysurpaudy junctions.

2. The Madras Railway Authorities are of opinion that the light is far more efficient than any light yet tried on their line, and they intend, by degrees, to extend the use of the lamps to all the principal stations.

3. It will be seen from the enclosed endorsement, No. 591, dated 8th June 1876, from Agent that the consumption of oil is somewhat larger than in the case of the ordinary kerosene lamp, but, on the other hand, a far more efficient light is ensured.

4. I am informed that the breakage of chimnies is small, and that an explosion has not yet been recorded.

From H. E. CHURCH, Esq., Traffic Manager, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Royapooram, 7th June 1876, No. C 253, A. & M —1685.

Silber's Lamps.

Consulting Engineer's letter, No. 520, dated 16th ultimo.

THE following is the result of a careful experiment recently made with a Silber's lamp, an ordinary kerosene lamp, and a lamp burning cocoanut-oil.

Six ounces of oil were put into each lamp, and the oil was burnt out in 5, 7½, and 7½ hours, respectively.

Lamp.						Size of Wick.	Consumption of Oil per Hour.	Cost per Hour.
							Ounce.	Pies.
Silber's...	...	...	...	...	...	1"	1.20	1.92
Kerosene	...	...	...	...	...	¾"	0.77	1.23
Cocoanut-oil lamp	...	...	...	...	...	1½"	0.77	1.32

It is scarcely necessary to say that the light given by the Silber's lamp was immensely superior.

No. 591.

THE Consulting Engineer for Railways for information.

(Signed) R. B. ELWIN,
Agent and Manager.

8th June 1876.

Proceedings of the Madras Government, Public Works Department,
20th June 1876.

No. 320. ORDER THEREON, 20th June 1876, No. 1,524.

RAILWAY, No. 38.

ORDERED to be forwarded to the Gov-
ernment of India.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

No. 321. (DOCKET No. 1,525, dated 20th June 1876.)

COPY of the above forwarded to the Government of India with reference to their
letter, No. 504-R, dated 17th February 1876.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.,

RAILWAY DEPARTMENT.

CONSULTING ENGINEER'S OFFICE,

Madras, 9th June 1876.

No.

2818

From

LIEUT.-COLONEL J. H. M. SHAW-STEWART, R.E.,

Consulting Engineer for Railways,

To

MAJOR-GENERAL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department,

Fort Saint George.

SIR,

With reference to the
Proceedings of Government No. 8
dated 2nd March 1876, I have
the honour to inform you that
Pilkens lamps are used on the
platforms at the Madras Central
station, at Arcanum, Vellere, Salem,
Bellary, Bangalore and Erode and
in all the 3rd class waiting rooms
on the Madras Railway. They are
also used in the Semaphore sig-
nals at the goods shed and
Veyurpandy Junctions.

2. The Madras Railway
Authorities are of opinion that
the light is far more efficient
than

than any light yet tried on their
line, and they intend by degrees to
extend the use of the lamps to all
the principal stations.

3. It will be seen from
the enclosed endorsement N^o 591 dated
8th June 1876 from Agents that the
consumption of oil is somewhat
larger than in the case of the or-
-dinary kerosine lamp but on the
other hand a far more efficient
light is ensured.

4. I am informed that the
breakage of chimnies is small, and
that an explosion has not yet been
recorded.

I have the honour to be

Sir

Yours most obedient servant

C. Smith

Major, R.E.

Colborne. Engineer for Railways.

CP

Jan. 2 March 76. No 8. Orig. P. W. 1876 Department

80. 4165.
No 1524 d/20th June 76
Ordered to be for-
warded to the fort of Endia
(A.D. - 1525 d/20th June 76.
Copy of the above
forwarded to the fort of
Endia with reference to
their letter No 504 &c
Dated 17 Febry 1876.

Ref
To The Comdg Engr for Railways
Dated 1/7/76

No 319+321

Cir - 14. 6. 76 Dated 20/6/76
Despatch to Engr - 6-76. 1:2

W. Johnston
the Secretary to Government
of the Government
on the 14th June

Dated 9th June 1876
Received 10th June 1876
Enclaves No. 288

RAILWAY DEPARTMENT.
To The Consulting Engineer
for Railways,
The Secretary to Government,
P. W. Department,
Fort Saint George.

4165

Govt. of (1876) Madras.
PUBLIC WORKS.

To

The Secy to the Govt of India

Dated

By

By

By

G. O. 20 June 1876, No. 1524
1525-

Nos. 319 @ 321

Forwarding a letter
from the Comdant for R.
reporting upon the results
of the use of Silbers
lamps on the Madras
Ry. Lines -

Silbers Lamps on the
Madras Railway Lines

Letter from the Comdant
for R. reporting on the
results of the use of
ordered to be forwarded
to the Secy of India -

27/6/76
27/6/76