

- (1) Number of pages _____
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2957	Press
B.P. No.		Mis.
Dated	15-10	18/10 195

Not to be folded or roughly handled

No. 287. Read the following docket from the Government of India, Public Works
Department, Nos. 2,370—2,377 R. :—

From Colonel H. DRUMMOND, R.E., Deputy Secretary to the Government of India,
Public Works Department (Railway), to the Director of State Railways,
dated Simla, 24th September 1875, No. 2,369 R.

I AM directed to acknowledge the receipt of your endorsement, No. 1,498 W,
dated the 5th August 1875, forwarding copy of a letter from the Managing Director,
Bengal Coal Company, with enclosures, being official reports of trials made on the
London and South-Western Railway of coal from the Kholdea, Sanctoria and Beldanga
Collieries; and in reply to say that the information is very interesting, but that it
would have been more useful had the weights of the trains also been given.

2. I am to request that Mr. Robinson, the Managing Director of the Bengal
Coal Company, may be thanked.

Copy with copy of the letter to which it is a reply and of its enclosures are
forwarded to the—

Government of Madras, Public Works Department, Railway, in continuation
of correspondence ending with its No. 3,533, dated the 16th December
1874.

Government of Bombay, Public Works Department, Railway, in continu-
ation of correspondence ending with Public Works Department
No. 2,142 G.—R., of 15th December 1873.

Consulting Engineer for Guaranteed Railways, Calcutta, in continuation
of correspondence ending with his No. 1,897 of 16th July 1875, for
information and communication to the several Railway Companies.

Do.	do.	do.	Lucknow.
Do.	do.	do.	Lahore.

Also to—

Chief Commissioner, Central Provinces;
" " British Burmah;
Resident, Hyderabad,

For information.

(Signed) H. DRUMMOND, Colonel, R.E.,
Deputy Secretary to the Govt. of India.

No. 1,498 W, dated 5th August 1875.

Endorsed by the Director of State Railways.

This following copy of a letter forwarded to the Secretary to the Government of India,
Public Works Department, for information :—

*Proceedings of the Madras Government, Public Works Department,
15th October 1875.*

From S. M. ROBINSON, Esq., Managing Director of the Bengal Coal Company (Limited), to the Director of State Railways, dated 14th July 1875.

I BEG to send you, herewith, copies of official reports of trials made on the London and South-Western Railway of coal from Kholdea, Sanctoria, and Beldanga Collieries belonging to this Company, which I think you will find of much interest as showing what service Indian coals of the best class can really perform in locomotives.

2. The trials were made with great care under the superintendence of a large shareholder in this Company, Mr. A. T. T. Peterson, and Mr. Beattie took great interest in and gave much attention to them. I shall be very glad if you can bring these reports under the notice of His Excellency the Viceroy.

LONDON AND SOUTH-WESTERN RAILWAY.

TRIAL OF SANCTORIA COAL.

Working of 1-25 P.M. Up-Goods from Southampton to Nine Elms with East Indian Coal on 12th June 1874.

"Giraffe" Engine—A. C. ABBOT, Driver; C. DAY, Fireman.

	Arrival.	Departure.	Load.	Remarks.
	P. M.	P. M.		
Southampton	...	1-30	21	5 minutes late starting.
Bishopstoke	...	1-45	27	2 " extra at station.
Winchester	...	2-24	32	6 " " shunting.
Micheldever	...	3-5	38	
Basingstoke	...	3-50	44	37 " " for up-train to pass.
Winchfield	...	4-55	43	
Farnboro'	...	5-32	39	
Woking	...	6-5	38	12 " extra shunting.
Nine Elms	...	7-25	38	

Consumption on journey ... 24 bags
Getting up steam ... 4 "

Total ... 28 bags, 1 cwt. each.

Engine steamed very well, but coal contained a great amount of ash and dirt.

(Signed) A. C. ABBOT,
Engineman.

Distance run ... 78½ miles.
Consumption ... 28 cwt., or say 40 lbs. per mile.

The "Giraffe" Engine ran for three months with South Wales and Derbyshire coal mixed, and the consumption was 35 lbs. per mile.

(Signed) W. G. BEATTIE,
Locomotive Superintendent.

(") S. M. ROBINSON,
Managing Director.

*Proceedings of the Madras Government, Public Works Department,
15th October 1875.*

TRIAL OF SANCTORIA COAL.

Working of 1-25 P.M. Up-Goods from Southampton to Nine Elms with East Indian Coal on 20th June 1874.

"Giraffe" Engine—A. C. ABBOT, Driver.

	Arrival.	Departure.	Load.	Remarks.
Southampton	...	1-22	37	7 minutes late starting.
Bishopstoke	...	1-52	46	41 " extra.
Winchester	...	3-12	42	
Micheldever	...	3-46	43	18 " " Signal Steventon.
Basingstoke	...	4-50	45	5 " " Pirbright Junction.
Winchfield	...	5-42	45	
Farnboro'	...	5-57	47	
Woking	...	6-38	44	10 " Brookwood signals.
Nine Elms	...	7-44	44	10 " Clapham "

Consumption on journey ... 28 bags.
Getting up steam ... 4 "

Total ... 32 bags, 1 cwt. each.

Engine steamed very well, but coal very dirty.

(Signed) A. C. ABBOT,
Engineman.

Distance run ... 78½ miles.
Consumption ... 32 cwt., or 45 lbs. per mile.
(Signed) W. G. BEATTIE,
Locomotive Superintendent.

N. B.—This train was a very unusually heavy one.

(Signed) S. M. ROBINSON,
Managing Director.

TRIAL OF KHOLDEA COAL.

Working of 8-15 A.M. Down-Goods from Nine Elms to Southampton with East Indian Coal on 21st September 1874.

No. 310 Engine—A. C. ABBOT, Driver.

	Arrival.	Departure.	Load.	Remarks.
	A. M.	A. M.		
Nine Elms	...	8-22	38	7 minutes late starting.
Woking	...	9-25	36	4 " extra.
Basingstoke	...	10-56	40	3 " " fleet.
Bishopstoke	...	12-46	39	9 " " shunting.
Southampton	...	1-13	39	

Consumption on journey ... 21 bags, 1 cwt. each.
Steam got up with English coals.

The engine steamed very well with the coal on this trip, but required a very low fire, and on arrival at Southampton there was a great quantity of ash and dirt left in the fire-box.
(Signed) A. C. ABBOT,
Engineman.

*Proceedings of the Madras Government, Public Works Department,
15th October 1875.*

I BEG to state that the foreign coal used this day was very much like the Hartley coal in respect of the manner in which it burns, for when partly burnt it cakes together, and therefore will not do with a heavy fire, but when fired light, about 4 or 5 inches in the fire-box, it makes plenty of steam without any difficulty and does not consume away so fast as our ordinary Midland coal. There is not so much smoke with it as the Midland or Hartley coal, although there is more than with the Welsh we get.

(Signed) A. C. ABBOT,
Engineer.

Consumption of fuel, say ... 25 cwt., or 35½ lbs. per mile.

(Signed) W. G. BEATTIE,
Locomotive Superintendent.
(") S. M. ROBINSON,
Managing Director.

TRIAL OF BELDANGA COAL.

Northam, 2nd November 1874.

Working of 8-15 A.M. Down-Goods from Nine Elms to Southampton with East Indian coal.

I beg to report that the coal used by me to-day was very much of the same quality as that used in the trials in June last, viz., very much like the Hartley coal, only containing a great deal more ash and dirt, but was not so substantial as that tried in September last. We had with the 8-15 A.M. Down this morning a very light load as far as Basingstoke, but had a good load from Basingstoke, 43 wagons consisting of several loads of shipping goods and twelve 10-ton loads of coal in the train, besides general goods. The engine maintained herself with steam about the same as with our own coal, but when arriving at Southampton there was 6 inches of ash and dirt in the fire-box. We consumed twenty-seven bags of 1 cwt. each, including getting up of steam. The working of the train is as under:—

	Arrival.	Departure.	Load.	Remarks.
	A. M.	A. M.		
Nine Elms	...	8-15	22 {	5 minutes Wimbledon signals.
Woking	9-26	9-43	20	8 " Sheerwater "
Brookwood	...	9-54	20	8 " Sheerwater "
Farnboro'	10-10	10-19	30	9 " Woking "
Fleet	10-28	10-35	27	4 " extra.
Winchfield	...	10-41	27	" "
Basingstoke	11-0	11-33	43	18 " "
	P. M.	P. M.		
Micheldever	12-10	12-19	43	" "
Winchester	12-43	12-52	42	5 " signals.
Bishopstoke	1-10	1-27	34	2 " "
Southampton	1-42	...	...	" "

Consumption of coal ... 27 cwt., or 38½ lbs. per mile.

(Signed) A. C. ABBOT,
Engineer.
(") W. G. BEATTIE,
Locomotive Superintendent.
(") S. M. ROBINSON,
Managing Director.

*Proceedings of the Madras Government, Public Works Department,
15th October 1875.*

Nos. 288.

ORDER THEREON, 15th October 1875, No. 2,959.

RAILWAY, No. 25.

COMMUNICATED to the Consulting Engineer for the information of the Railway authorities with reference to G. O., No. 3,532, dated 16th December 1874.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.
" Editors Table.

Ed. E. C. Shunker.
Spare Copies

P. W. 1875 Sept
No: 8651

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY.

To
THE DIRECTOR OF STATE RAILWAYS.

No. 2369 R.
Dated SIMLA, September 24, 1875.
Received *Oct. 18-3*

51.

Reports of trials made on the London and South-
Western Railway of coal from the Kholdea, Sanc-
toria and Belilanga Collieries.

Guthrie

50/11/74. 315-317.

15th Oct/75

*Conducting for 12 1/2 days
ET. 10 After 17*

*No 2959 Commenced to the Counting Machine for the
information of the Railway Authorities with reference to
No 3532 of 16 December 1874.*

Wm

*257/5
1875
1875*

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Govt. of 18751
PUBLIC WORKS.

Consig. Engr. for
Rt. Hon.
20/10

D.D.

Engr.

Engr.

15/10/75 No. 2957

No. 287-288

Reports of trials made on the
London & N.W. Ry: of coal
from the Wholdea, Lanc.
& Baldanga Collieries.
Docket of the Govt. of Ind.
forwarding copy of
& also of their letter to the
Director of State Ry:
on the subject, encl.
to the Consulting Engr. for
information of the Ry:
authorities.