

Educational (1897) Department.

ORDINARY MS.

G.O., No. 665

DATED 22. 11. 97

INDEXED.

[Despatch Abstract.]

Directing Stating that an
indent for an oil engine for
the use of the School of Arts
should be submitted at an
early date.

T
22. 11. 97

BACK PAPERS.

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

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	CAR 437/98						

[A.—500—8-2-97.]

No. 219

ENCLOSURE.

From

H. T. WALTERS, Esq.,

INSPECTOR OF STEAM-BOILERS

AND PRIME-MOVERS,

Madras,

To

The Superintendent,
School of Arts

SIR,

Vertical tubular boiler, N. H. Power
3, built by Messrs. Wainwright & Co.,
Manchester, England about 1868.

I have the honor to state that
the above mentioned type of boiler
now situated in the Art School at
compound was examined by me on
Monday July the 12th 1897.

(Shell) The dimensions are as
follow:—Height 6' 3", diameter 2' 6",
thickness in body 5/16", single riveting
crown plate 1/2", material iron

(Furnace) Height 2' 1", diameter
1' 11 1/2", riveting single, thickness
in plates 9/16", material iron.

Internal flues 22 in
number, they are of the ordinary
type tubes, length 4' 3", diameter 2"
B. W. G. 10.

Safety valve 1 in number
Area

Area 2.4 square inches, fire grate 3 square feet.

Condition.

Water ways of boiler badly scaled. Outside of shell pitted in many places $\frac{1}{16}$ " & reduced $\frac{3}{16}$ " all round feed valve joint on crown of shell.

Internal condition of shell to all appearance is pitted, depth could not be ascertained.

External condition of furnace - circumferential seam of rivets at bottom worn completely away & plate reduced down to about $\frac{1}{16}$ " in thickness, tubes are worn thin & are scaled $\frac{1}{8}$ " in thickness.

There is no fusible plug or stop valve connected to boiler.

Remarks.

The boiler to all appearance is a very old one, the condition of the furnace is in bad repair, therefore I am unable to grant a license for its safe working & request you will be good enough to replace this boiler with a new one as the present one to the best of my judgment is not worth a repair.

I add for your information that the existing boiler may still remain as a support for the engine; this will save the expense of purchasing a new engine. It will be necessary for you to secure a longer steam pipe so as to connect your new boiler to

J.M.

to the present engine. The boiler must comply with the rules now laid down for the guidance of steam users.

I have the honor to be

Sir,

Your most obedt. Servant

J. T. Travers.

Inspr. of Steam Boilers

R no 512/1897



to the President C-1014 857
must comply with
now laid down
No. 10249.

OFFICE OF THE DIRECTOR OF
PUBLIC INSTRUCTION,

Madras, 3rd September 1897.

From

J. B. Bilderbeck Esqr. M.A.
THE HONOURABLE MR. D. DUNCAN, M.A., D.Sc. LL.D.,

AG. DIRECTOR OF PUBLIC INSTRUCTION,

Madras,

To

The Secretary to Government,

Local and Municipal Department.

SIR,

I have the honour to submit, in original, an official report from the Inspector of Steam Boilers and Prime-movers, in which he condemns the present boiler at the School of Arts and expresses his inability to grant a license for its safe working. I beg that early arrangements may be made for deputing an officer of the Public Works Department to inspect both engine and boiler and to report on the best mode of supplying the necessary driving power for the machinery in use in the School of Arts.

I have the honour to be,

Sir,

Your most obedient servant,

J. B. Bilderbeck

AG. Director of Public Instruction.

Public Works (1897) Department.

CURRENT No. 10435



N^o 4349C 2/27-10-97

for Swat.

Transferred to
the Educational Dept,
with reference to its en-
closurement No 1861 dated
7th September 1897. The
enclosures of which are
herewith returned.

From

om The Supply Engineer
5 miles

No. 106 M
c

Dated 19 *Oct* 1897
Received
Enclosures
Spare copies

2. The undersigned supports the General Superintendent's suggestion that an oil engine should be procured for the School of Arts to replace the existing engine.

SUBJECT.

Engine & Boiler in use
in the School of Arts.

L. A. Hunter — Reporting on — after
 Aug. 1895 to 1900. — conclusion.

Enclon.

Reqd { 28-10-77

Encls - God. C. No. 1044 of 97 with encls.

BACK PAPERS.

FURTHER PAPERS.

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Copy of a letter from H.A. Moss Require, General Superintendent, P.W. Workshops, to the Superintending Engineer, 5th Circle, N. 86 S. 8/5 dated 14th October 1897.

With reference to your N. 297 B.W.S. of 18 September 1897, I have the honour to inform you that I inspected the engine and boiler at the School of Arts on 12th October 1897. The boiler is in a bad state, and it would not pay to try and repair it. The engine was taken apart for my inspection. It requires some repairs, but not much to put it in fairly good working order. With a new boiler it is quite workable for a long time.

I am of opinion that it would be more satisfactory and economical to dispose of the old engine in the School of Arts and purchase a good oil engine of 5 or 6 HP. The cost of working it, would probably be not more than half that of the steam engine.

N. 106 B

To the Chief Engineer P.W. Department, with reference to G.O. N. 2534 W. dated 13th September 1897, the accompaniments to which are herewith

returned.

Ch. E. M. M.

19.10.97 Colonel R. E.

Supy. Engineer 5th Circle

19th October 97

* Letter N. 10249 from
3-9-97
Director of Public
Instruction
N. 219 from
14-7-97
Inspector of Steam
Boilers and Prime
movers.

14.10.97

Oil Engine for the School of Arts.

Ed DEPARTMENT.

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24
1,0-0-15-0-07.

C 16/11/7
R 17/11/7

Papers to be read in proceedings:--

Again G.O., No. , dated

189 .

Again G.O., No. , dated

189 .

Current No. 1014

of 1897, dated 3rd sept, from the D.P.I. ✓
" 1897, " 27th oct, " the P.W.D. a
" 1897, " " " " "

" 1248

" 1897, " "

ORDER.
mis.

No 665 822 11.97

The suggestion of the General
Supt. Public Works Workshops is
~~accepted~~ which is supported
by the Chief Engineer is accepted.
An indent for an oil engine
should accordingly be submitted
at an early date.

15/11/97

15/11/97

Note. The work in the school is now
carried on with the aid of the
portable engine rented from the
P.W.D. workshops. This arrangement
may continue till an oil engine
is obtained from Europe.

To

The D.P.I. - 22/11/97

When given for copying

When copied

When examined

When signed

19/11
20/11

189

READ AGAIN G.O., No
189

DATED

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL.

N.B.—

A = Copy in full.
B = Not to be copied.
P = Copy abstract only.
Q = Copy heading only.

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