

Public Works (1898) Department.

G.O., No. 2528 W

DATED 1st Oct 98

[Despatch Abstract.]

Indent

Letter to the D. G. of Stores, India Office, stating
that the sizes of the wrought iron tubes appearing
as items 680 to 683 in the G.O. — No 1 of 1898 may
be altered to nominal bore supplied
accordingly.

Indexed.

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

~~Dr~~
~~to - with you~~

BACK PAPERS.

FURTHER PAPERS.

D.O. No.



Wrought Iron Tubes.

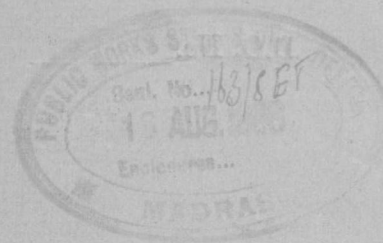
Table showing External Diameters and Thicknesses of Tubes and Dimensions of Flanges.

Nominal Bore—variable.	External Diameter—constant.	Threads per Inch.	Thickness.						Dimensions of Flanges.		
			For Gas.		For Water.		For Steam.		Diameter in Inches of		
			S.W.G.	Inches.	S.W.G.	Inches.	S.W.G.	Inches.	Flange.	Bolt-hole Circle.	Bolts.
$\frac{3}{8}$ Inches.	0.656 0.8257	14	12	.104	11	.116	10	.128	3 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{3}{8}$
$\frac{3}{4}$	1.041	14	11	.116	10	.128	9	.144	3 $\frac{3}{4}$	2 $\frac{3}{4}$	$\frac{3}{8}$
1	1.309	11	10	.128	9	.144	8	.160	4 $\frac{1}{2}$	3 $\frac{1}{4}$	$\frac{7}{16}$
1 $\frac{1}{4}$	1.650	11	9	.144	8	.160	7	.176	5	3 $\frac{5}{8}$	$\frac{1}{2}$
1 $\frac{1}{2}$	1.8825	11	8	.160	7	.176	6	.192	5 $\frac{1}{2}$	4 $\frac{1}{8}$	$\frac{1}{2}$
1 $\frac{3}{4}$	2.047	11	8	.160	7	.176	6	.192	5 $\frac{3}{4}$	4 $\frac{3}{8}$	$\frac{1}{2}$
2	2.347	11	8	.160	7	.176	6	.192	6 $\frac{1}{2}$	4 $\frac{3}{4}$	$\frac{5}{8}$
2 $\frac{1}{4}$	2.5875	11	7	.176	6	.192	5	.212	7	5 $\frac{1}{2}$	$\frac{5}{8}$
2 $\frac{1}{2}$	3.0013	11	7	.176	6	.192	5	.212			
2 $\frac{3}{4}$	3.247	11	7	.176	6	.192	5	.212	8	6	$\frac{5}{8}$
3	3.485	11	7	.176	6	.192	5	.212			
3 $\frac{1}{2}$	3.912	11	7	.176	6	.192	5	.212	8 $\frac{1}{2}$	6 $\frac{3}{4}$	$\frac{5}{8}$
4	4.339	11	7	.176	6	.192	5	.212	9 $\frac{1}{2}$	7 $\frac{3}{4}$	$\frac{3}{4}$

Note (1).—The actual bores of these tubes vary with the purpose—gas, water, or steam—for which they are required. The external diameters are constant, so that all may be screwed to the Standard Gas thread.

Note (2).—All flanges for tubes of the above sizes have four bolt-holes, which are to be drilled unless the flanges are ordered "blind." When bolts and nuts are ordered for flanged joints, the bolts are to be long enough to show two threads clear of the nuts when screwed up.

Note (3).—Flanges are to be faced all over and are to have the bolt-hole circle and an inner circle scored on the face.



It is requested that in any further communication
subject the under-mentioned letter and
number may be quoted, and the reply addressed to
The Director-General of Stores,
India Office,
Whitehall,
London, S.W.
S.7785.



15th July 1898.

Sir,

With reference to the following demands in Madras
annual Public Works indent No: 1 of 9th March 1898:-

item

690	Tubes wrought iron screwed and coupled		
	each 10 feet long $\frac{1}{2}$ " outside diar.	Feet	1,000
691	-- Do -- $\frac{3}{4}$ "	-- Do --	" 1,000
692	-- Do -- 1"	-- Do --	" 1,500
693	-- Do -- $1\frac{1}{4}$ "	-- Do --	" 1,000

I have the honour to inform you that as these items are all
described by outside diameter they would be supplied by
"nominal bore" as shewn in the accompanying table.

If they are supplied as demanded they will have to be
screwed specially to bastard threads which might cause great
inconvenience in India.

I have therefore to enquire whether the following sizes
should not be substituted for those asked for:-

For item 690	- $\frac{3}{8}$ " nominal bore	$\frac{1}{2}$ "
" " 691	- $\frac{1}{2}$ "	" $\frac{3}{4}$ "
" " 692	- $\frac{3}{4}$ "	" 1"
" " 693	- 1"	" $1\frac{1}{4}$ "

I have the honour to be, Sir,

Your obedient Servant,

Grant

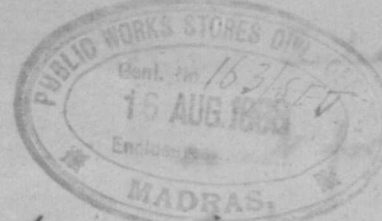
Director General of Stores.

The Secretary to Government,
Public Works Department,
Madras.

0451
26499/50
2773

Public Works (189) Department.

CURRENT No. ^{5.3} 6498
7773/8



No: 3516C- d/9 August 1898.

From The Director General
of Stores, India Office
London

Order 2nd.

Referred to
the Suply. Engineer V
Circle for favour of
report.

No. S. 7785

Dated 15 July 1898
Received 3rd August 1898
Registered 5-8-98
Enclosures 1
Spare copies

At Russell

under Secy to Govt

No 3516C

Forwarded to the Genl. Supt.
P.W. Stores for report and return

Colonel R.E.

Supt. Engineer V Circle

16 August 98.

20.8.98

SUBJECT.

Wrought iron tubes. Enquiring
whether certain sizes should not
be substituted for those specified
in the annual P.W. indent for 1898
for the demands for — under
items 690 to 693.

FURTHER PAPERS.

Copy of a letter from H. A. Moss Engineer, General
Superintendent, P.W. Stokes, to the Superintendent
Engineer, 5 Circle, N. 148 S2/5 dated 9 September 1897

In returning your endorsement N. 357,
dated 15 August 1898, I have the honour
to report that the size of the Troughton
Iron Tubes, Items 690 to 693, in the Annual
Indent for 1898-99, may be altered to nomi-
nal bore as suggested by the Director
General of Stores, India Office, London,
in his letter dated 15 July 1898 N. 7785.

N 59 2.

Enclosure: 1
Ch. Lupton & Co.
3516 C.

9. 8. 98

To the Chief Engineer, P.W. Department
with reference to his N. 3516 c. dated 9 August
1898 herewith returned.

17 September 1908.
Colonel R.B.
offg Supg hygienic 5 Circ.

26.9.98

BA
No.

To the
 With reference to the
 The