

Specification of Alexander Brodie : steam boilers.

Contributors

Brodie, Alexander.

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A.D. 1805 N° 2856.

S P E C I F I C A T I O N

OF

ALEXANDER BRODIE.

STEAM BOILERS.

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE QUEEN'S PRINTING OFFICE, EAST HARDING STREET,
NEAR FLEET STREET.

Price 5d.

1854.





A.D. 1805 N° 2856.

Steam Boilers.

BRODIE'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, ALEXANDER BRODIE, of Carey Street, in the Liberty of the Rolls, in the County of Middlesex, Iron Master, send greeting.

WHEREAS His most Gracious Majesty King George the Third, by His
5 Letters Patent, under the Great Seal of Great Britain, bearing date at Westminster, the Thirty-first day of May now last past, did give and grant unto me, the said Alexander Brodie, my exors, admors, and assigns, special licence, full power, sole privilege and authority, to me, my exors, admors, and assigns, during the term of fourteen years from the date of the said Letters Patent, to
10 make, use, exercise, and vend, within that part of His Majesty's United Kingdom of Great Britain and Ireland called England, His Dominion of Wales, and Town of Berwick upon Tweed, my "NEW AND IMPROVED FORM OR METHOD OF MAKING STEAM-ENGINE BOILERS AND STEAM BOILERS FOR VARIOUS OTHER PURPOSES, AND OF CONSTRUCTING THE FLUE FOR CONVEYING THE HEAT TO THE
15 SAME, WHEREBY THE CONSUMPTION OF FUEL IS CONSIDERABLY LESSENER;" in which said Letters Patent there is contained a proviso that if I, the said Alexander Brodie, should not particularly describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, by an instrument in writing under my hand and seal, and cause the same to be inrolled in

Brodie's Improved Method of Constructing Steam-engine Boilers, &c.

His Majesty's High Court of Chancery within one calendar month next and immediately after the date of the said Letters Patent, that the same and all liberties and advantages whatsoever thereby granted, should cease, determine, and become void.

NOW KNOW YE, that I, the said Alexander Brodie, in compliance 5
with and in pursuance of the said proviso in the said recited Letters Patent
contained, by this instrument in writing under my hand and seal, do particu-
larly describe and ascertain the nature of my said Invention in the said Letters
Patent mentioned, and in what manner the same is to be performed, and
declare the same to be in manner following, that is to say:— 10

I make my cast iron boiler of any size, in form as by the Drawing hereunder
appears; the cast iron plates are made with flanges to any size that may be
wanted for the boiler, and put together with rivets or screws and nuts and
pasteboard between the plates: and to prevent the boiler from giving way by
force of the steam, there are several wrought iron stays fixed in the inside of 15
the boiler. The boiler so made stands upon iron, so that there is scarcely one
quarter of an inch but what the fire has its full power over the bottom of
it. There are two fire-places, and the flue round is done with brick according
to the heighth and width that may be required; the top of the boiler is flat, and
I cover it with brick. 20

In witness whereof, I, the said Alexander Brodie, have hereunto set my
hand and seal, the Twenty-seventh day of June, in the year of our Lord
One thousand eight hundred and five.

EXPLANATION OF SKETCH FOR CAST IRON BOILER.

Fig. 1 is a cross section of the boiler; the dotted line from *a* shews the flue 25
that goes under, and has a brick breadth partition in the middle that equally
divides it. Fig. 2 is a plan of the bottom of boiler, and also looking down
upon the flue, as at *a, a*; at *c, c*, &c., in each sketch are flanges, cast to the
plates, for the purpose of revitting the whole together; at *D* or thereabouts
in the lid or top of the boiler is a man-hole 17 inches dia^r. 30

ALEX^R (L.S.) BRODIE.

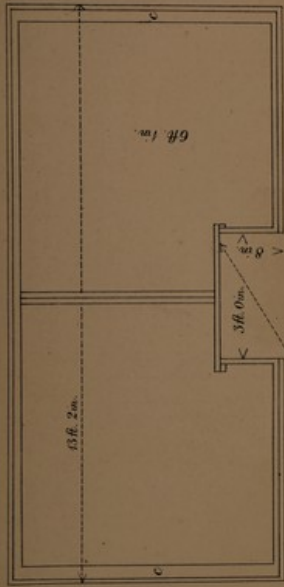
Sealed and delivered in the
presence of .

JA^S DOBIE,

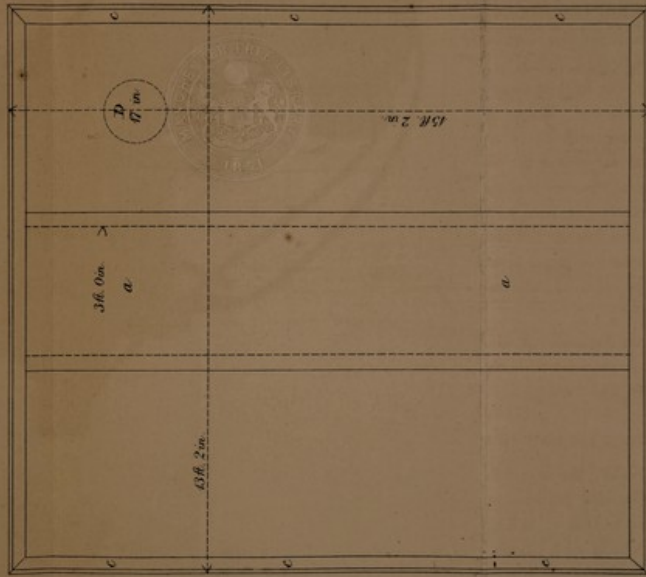
Crane Court,

Fleet Street. 35

F I C . 1 .



F I C . 2 .



The enrolled drawing is not colored.

Milly & Sons, Lth.

LONDON: Printed by GEORGE EDWARDS, Printer, and WILLIAM SPERRISWOOD, Printers to the Queen's most Excellent Majesty, 1854.



Brodie's Improved Method of Constructing Steam-engine Boilers, &c.

AND BE IT REMEMBERED, that on the Twenty-seventh day of June, in the year of our Lord 1805, the aforesaid Alexander Brodie came before our said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form above
5 written. And also the Specification aforesaid was stampt according to the tenor of the Statute made for that purpose.

Inrolled the Twenty-eighth day of June, in the year of our Lord One thousand eight hundred and five.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.

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