

E. WEBBER.  
SHIP'S BLOCK.

No. 10,688.

PATENTED MAR. 28, 1854.

Fig 1.

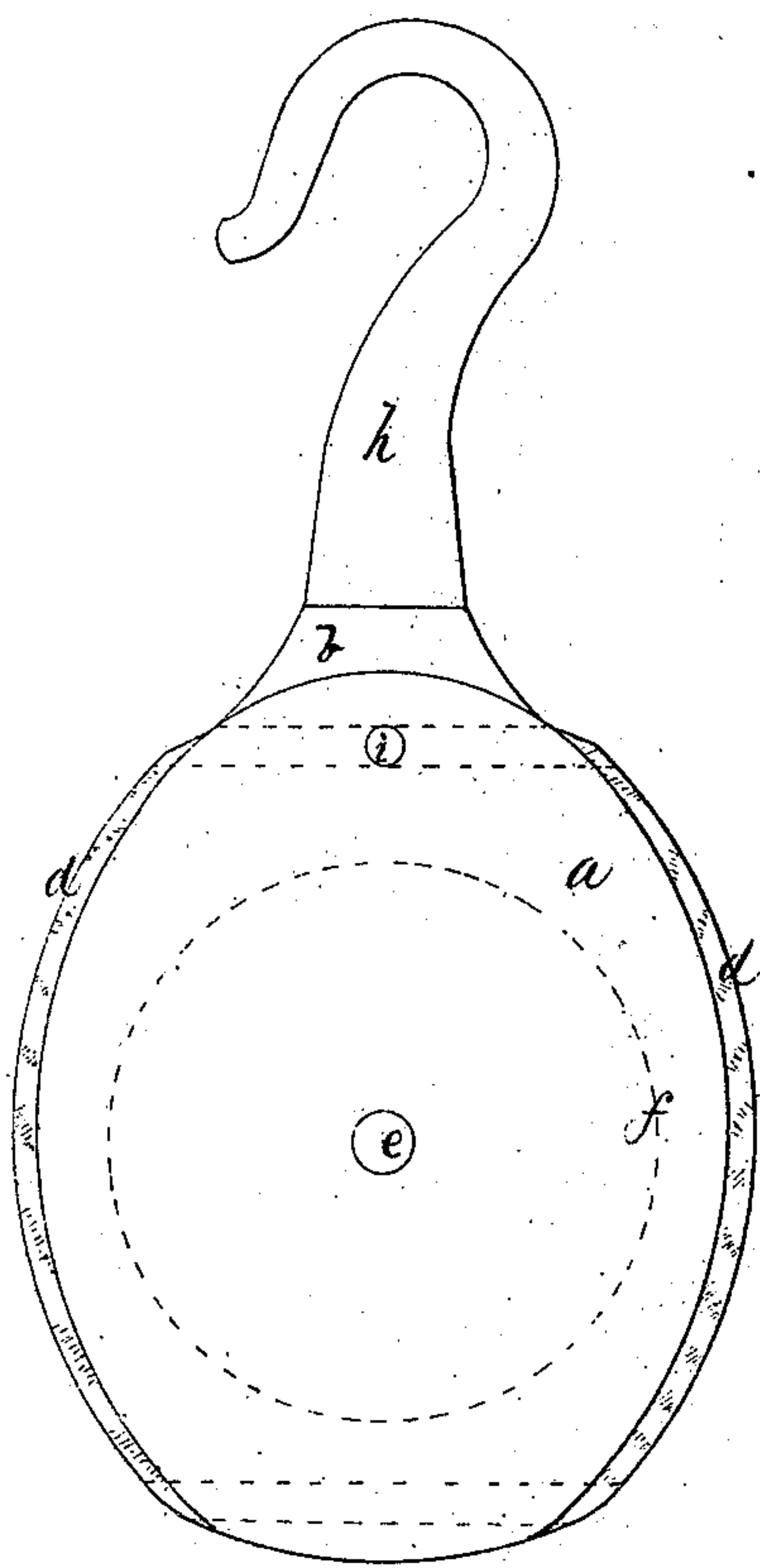


Fig 2.

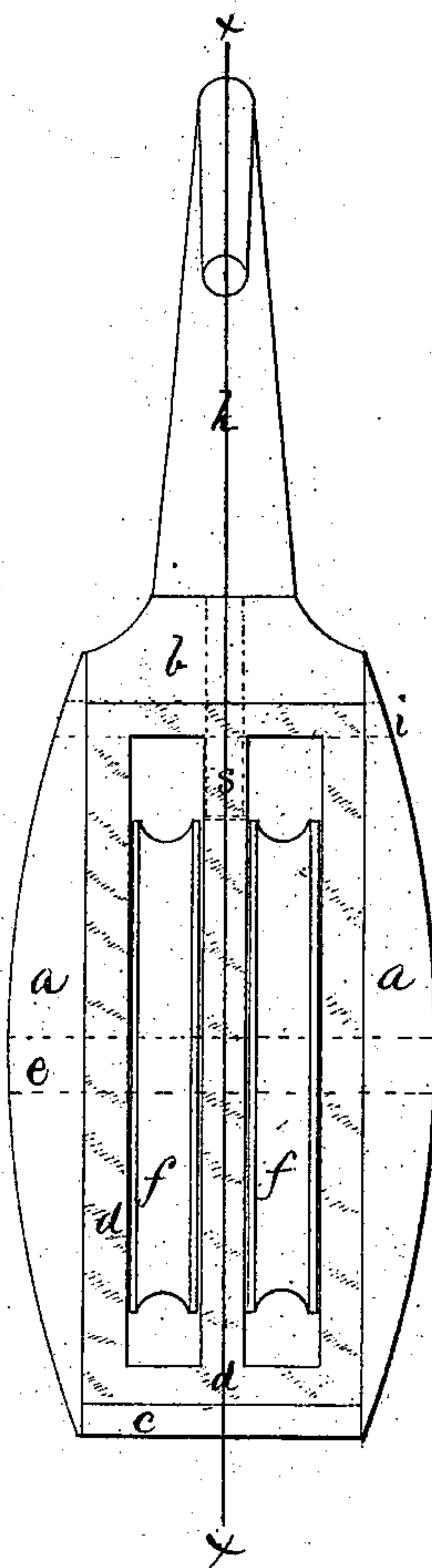
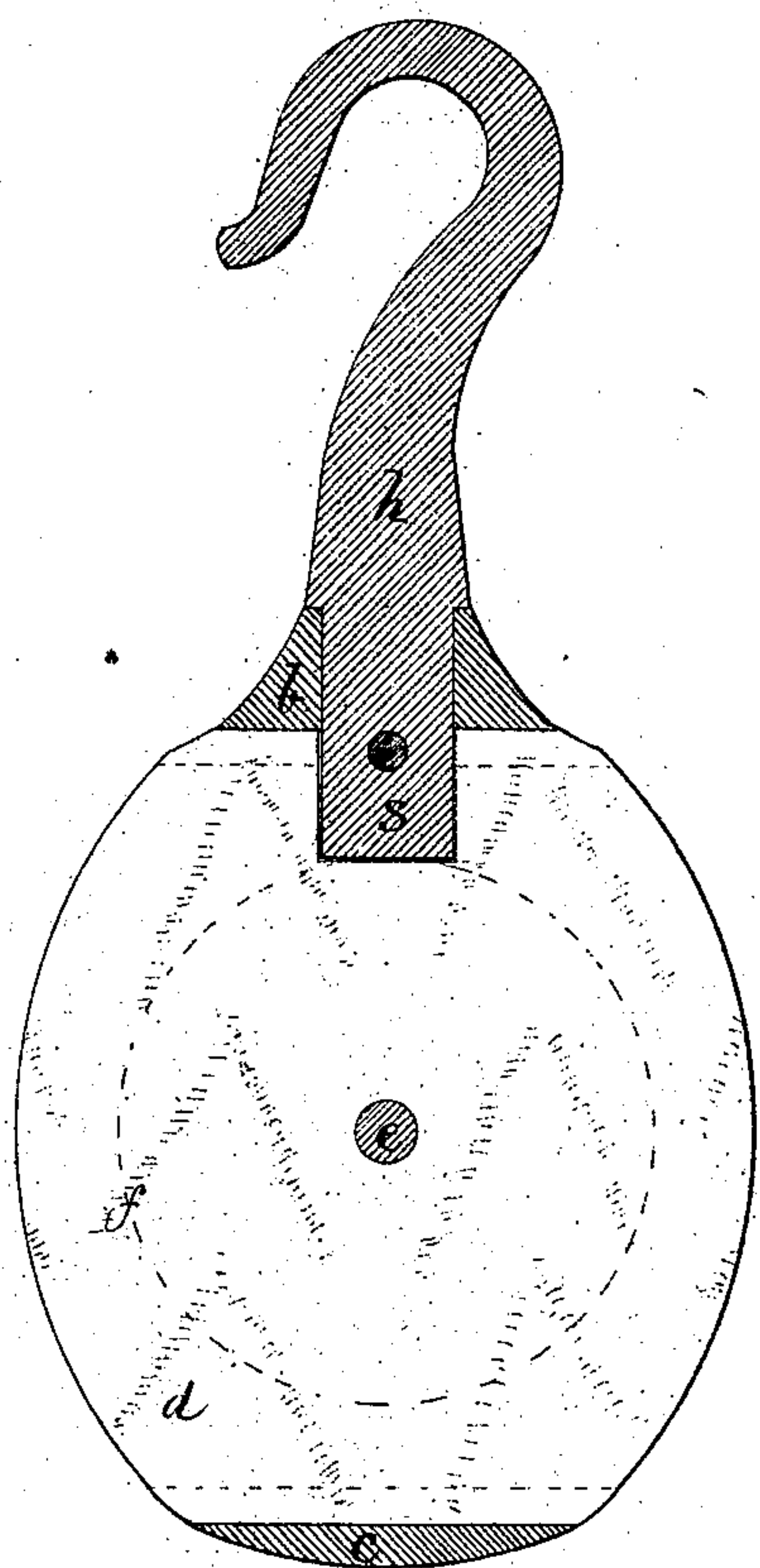


Fig 3.



# UNITED STATES PATENT OFFICE.

ELBRIDGE WEBBER, OF GARDINER, MAINE.

## SHIP'S BLOCK.

Specification of Letters Patent No. 10,688, dated March 28, 1854.

*To all whom it may concern:*

Be it known that I, ELBRIDGE WEBBER, of Gardiner, in the county of Kennebec and State of Maine, have invented a new and  
5 useful Improvement in Ships' Blocks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings,  
10 forming part of this specification, in which—

Figure 1 is a side view of the block. Fig. 2 is a front view of the same. Fig. 3 is a section on line *x x* of Fig. 2 perpendicular  
15 to the axis of the sheaves.

Similar letters denote the same part.

My invention consists in constructing ships' blocks with a shell of cast, malleable or wrought iron, or any other suitable metal  
20 into which are fitted wooden cheeks and the sheaves, the whole constructed and arranged as will be hereafter described.

To enable others skilled in the art to make and use my invention I will proceed  
25 to describe its construction and operation. In the drawings *a a* are the cheeks, *b* the top, and *c* the bottom of the shell made of cast, wrought or malleable iron, or of composition or other suitable metal, the thickness of the cheeks to be determined by the  
30 size of the block. Within the metallic shell is the wooden lining *d* made in any suitable manner for strength and durability, and driven tightly into the shell. The lining *d*  
35 contains the sheaves *f*, turning upon the pin *e* passing through the cheeks of the shell and lining. In the top of the shell is a mortise for the admission of the shank *s* of the hook *h* which passes down into the  
40 lining and is held by the pin *i* running

through the block. The shank may pass down below the center of the block and be held by the pin *e*; and if it be desired to have a ring at the bottom of the block, the hook *h* may be provided with a long shank  
45 which shall pass entirely through the block, be held by the pin *e* and have the ring attached to its protruding extremity. Or, the ring may be provided with a shank which shall be fastened in the bottom of the block  
50 as above described for the shank *s*.

This block is far lighter than any now in use, is much neater in appearance and possessed of greater durability. The wooden lining will prevent the wear of rope  
55 which renders metal block objectionable, and can readily be replaced when rotted and worn out. Another great object gained by the use of this block is its exemption from the splitting so destructive to all other  
60 blocks, particularly when used in warm climates.

As regards the expense of this improved block; it is as cheap as ordinary iron or rope strapped wooden blocks, and if the duration  
65 of the several articles be considered, is far more economical than any block now in use.

What I claim as my invention and desire to secure by Letters Patent, is—

The shell of cast or wrought metal into  
70 which are fitted the wooden cheeks and the sheaves, the whole constructed and arranged as herein described.

In testimony whereof, I have hereunto signed my name before two subscribing wit-  
75 nesses.

ELBRIDGE WEBBER.

Witnesses:

JOSEPH M. MESERVE,  
GEO. WULORTH.