

J. B. Eads.
Armor Clad.

Nº 35,088.

Patented Apr. 29, 1862.

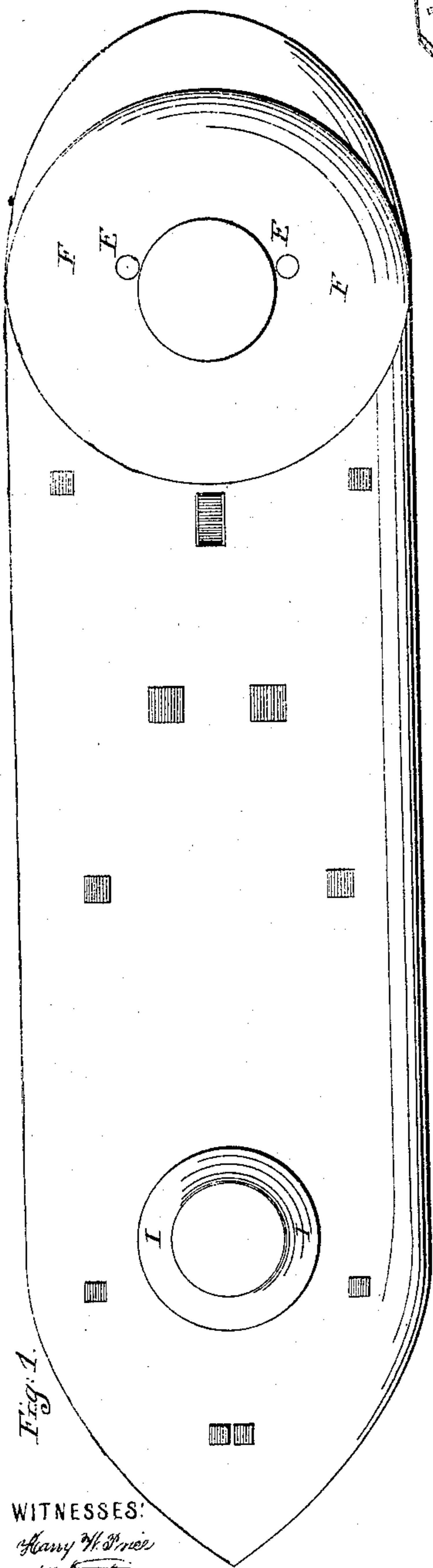


Fig. 1.

WITNESSES:
Harry H. Price
W. B. Eads

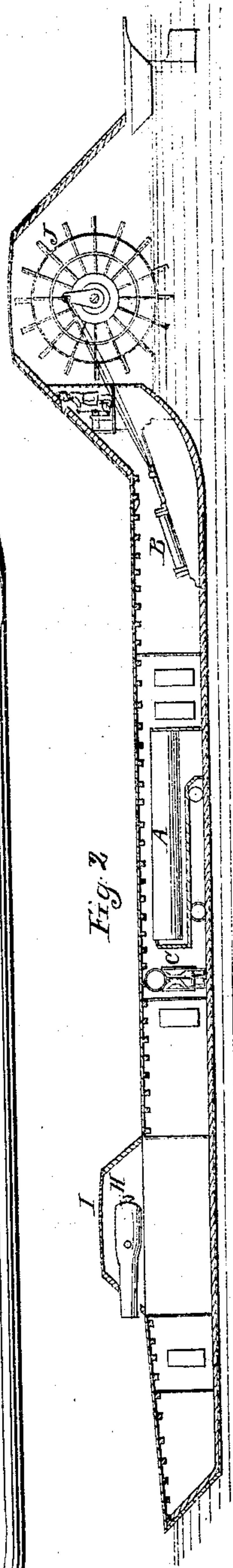


Fig. 2.

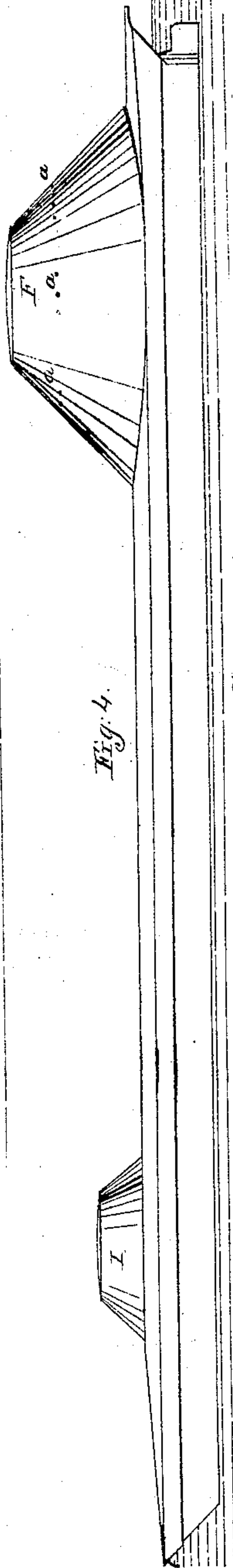


Fig. 4.

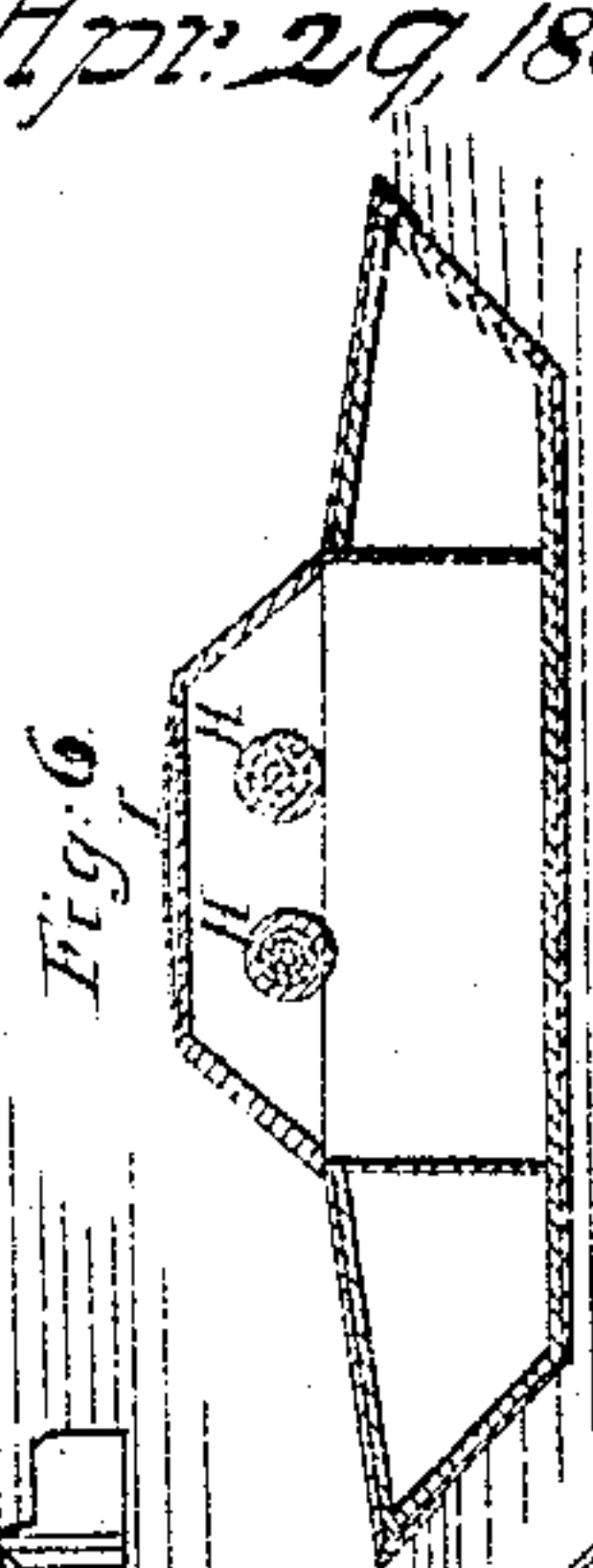


Fig. 6.

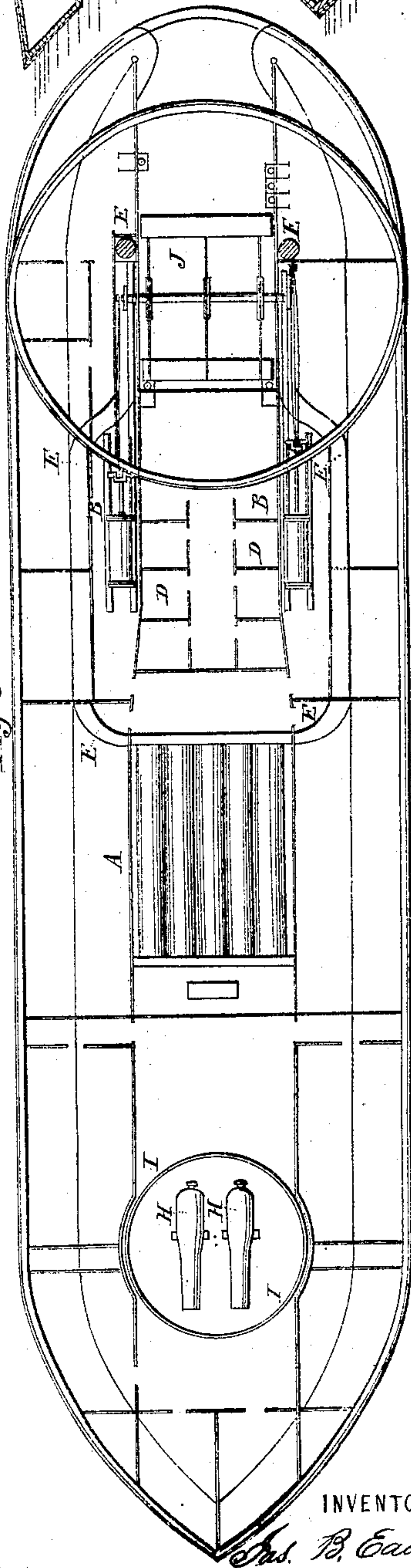


Fig. 3.

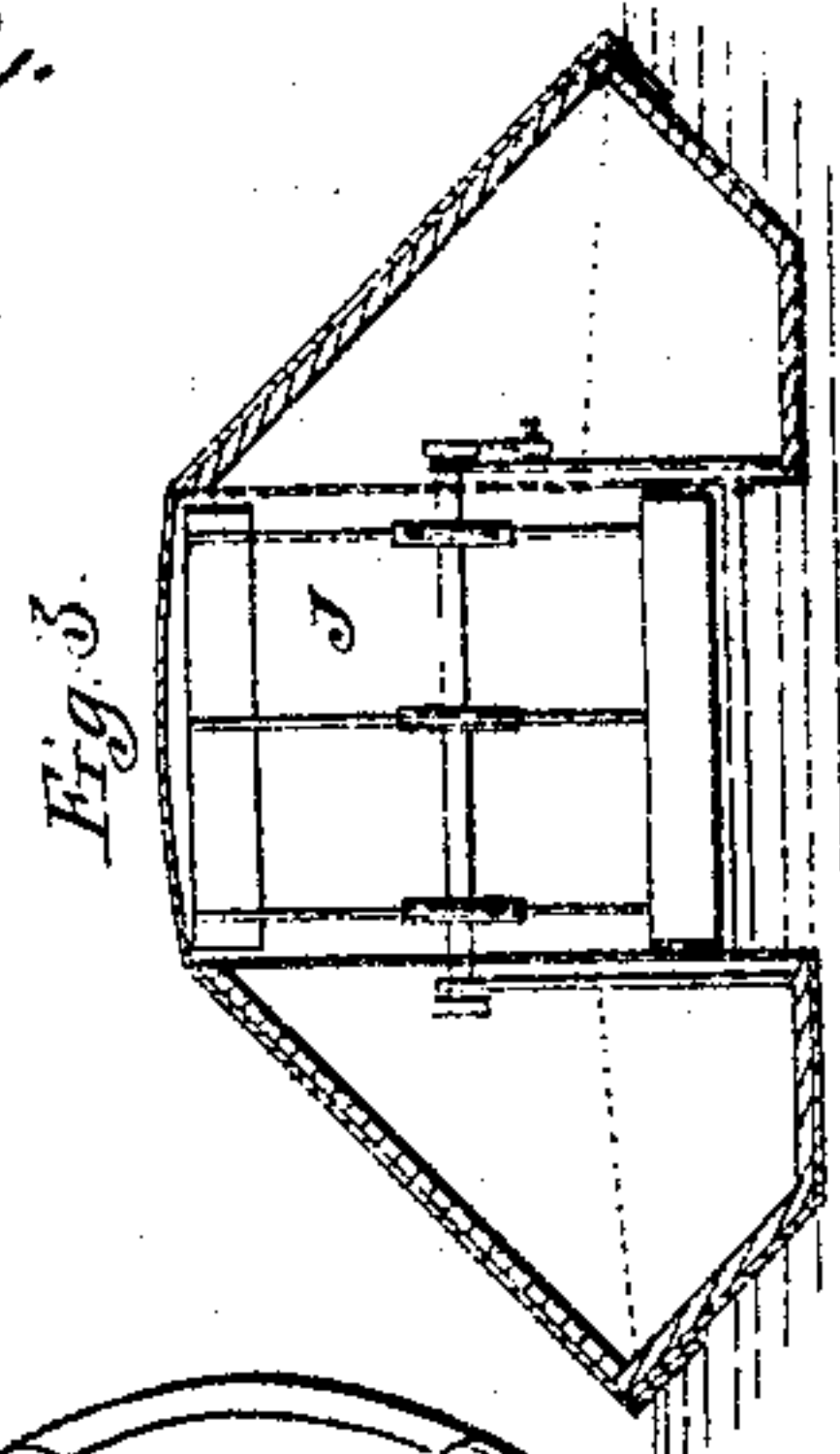


Fig. 5.

INVENTOR:
J. B. Eads

UNITED STATES PATENT OFFICE.

JAMES B. EADS, OF ST. LOUIS, MISSOURI.

IMPROVED TURRET FOR WAR-VESSELS.

Specification forming part of Letters Patent No. 35,088, dated April 29, 1862.

To all whom it may concern:

Be it known that I, JAMES B. EADS, of the city and county of St. Louis, and State of Missouri, have invented certain new and useful Improvements in the Construction of Gun-Boats; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a plan of the deck of the boat. Fig. 2 represents a longitudinal vertical section through the same. Fig. 3 represents a vertical transverse section through the wheel of the boat. Fig. 4 represents a side view of the boat. Fig. 5 represents a plan of the interior of the hull, and Fig. 6 represents a section through the gun-turret.

My invention consists in the location and protection afforded to the pilot, the lookout, and to the paddle-wheel, all within one ball-proof case or covering, as will be explained.

The hull of the boat may contain the boilers A, engine B, donkey-engine C, state-rooms D, arranged as shown in the drawings, or in any other convenient manner. The smoke-pipe E may be carried backward and thence up through the wheel-house, and out at the top of the shield or turret F, that protects the wheel, as also the pilot in his position at G, and the lookout at any point around inside of the turret F, where he or they may see through the holes *a a a*, Fig. 4. Thus this

turret, tower, or shield F protects the wheel, the smoke-stacks, the pilot, and the lookout or lookouts.

I have represented the wheel J as located at the stern of the boat; but its position may be elsewhere, if preferred.

The guns H are mounted in a turret, I, on the forward part of the boat and remote enough from the pilot and lookout so as not to interfere with their vision.

The turret F may be conical, pyramidal, or semi-spherical in form, or of a combination of these forms, so that it shields the wheel, the pilot, and the lookout, not meaning to claim a ball-proof casing that covers the crew, guns, &c., as may be said of vessels that have the whole or nearly the whole of the deck thus covered, but a wheel-turret which, in addition to shielding the wheel, also affords a protected position to the pilot and to the lookout.

Having thus fully described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

Making the turret, tower, or shield F, that protects the wheel, a protection also to the pilot and lookout, one or both, substantially in the manner and for the purpose herein set forth.

JAS. B. EADS.

Witnesses:

A. B. STOUGHTON,
H. W. PRICE.