

J. D. SAMSON.
MANHOLE PLATE FOR STEAM BOILERS.

No. 110,872.

Patented Jan. 10, 1871.

Fig. 1.

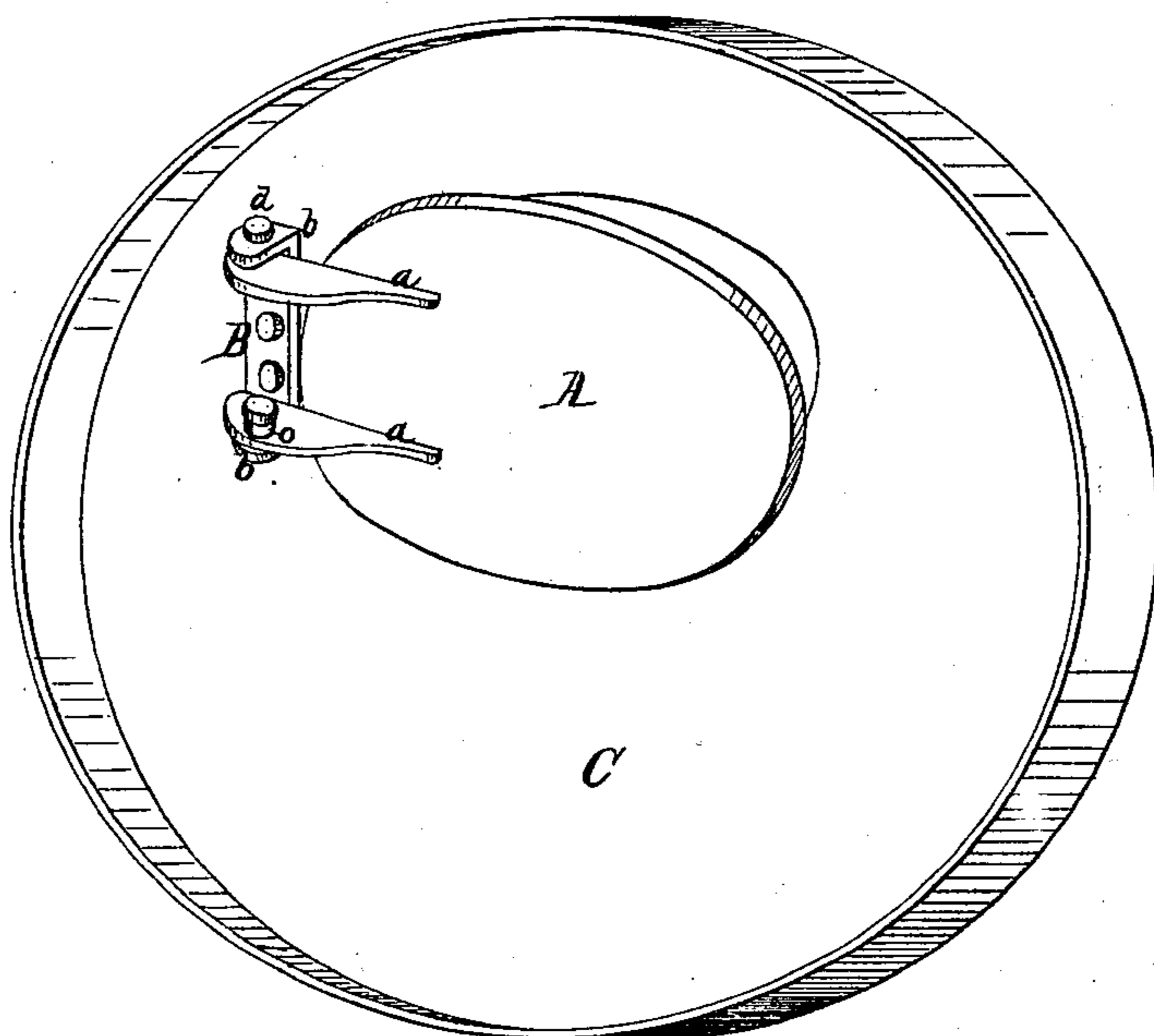


Fig. 2.

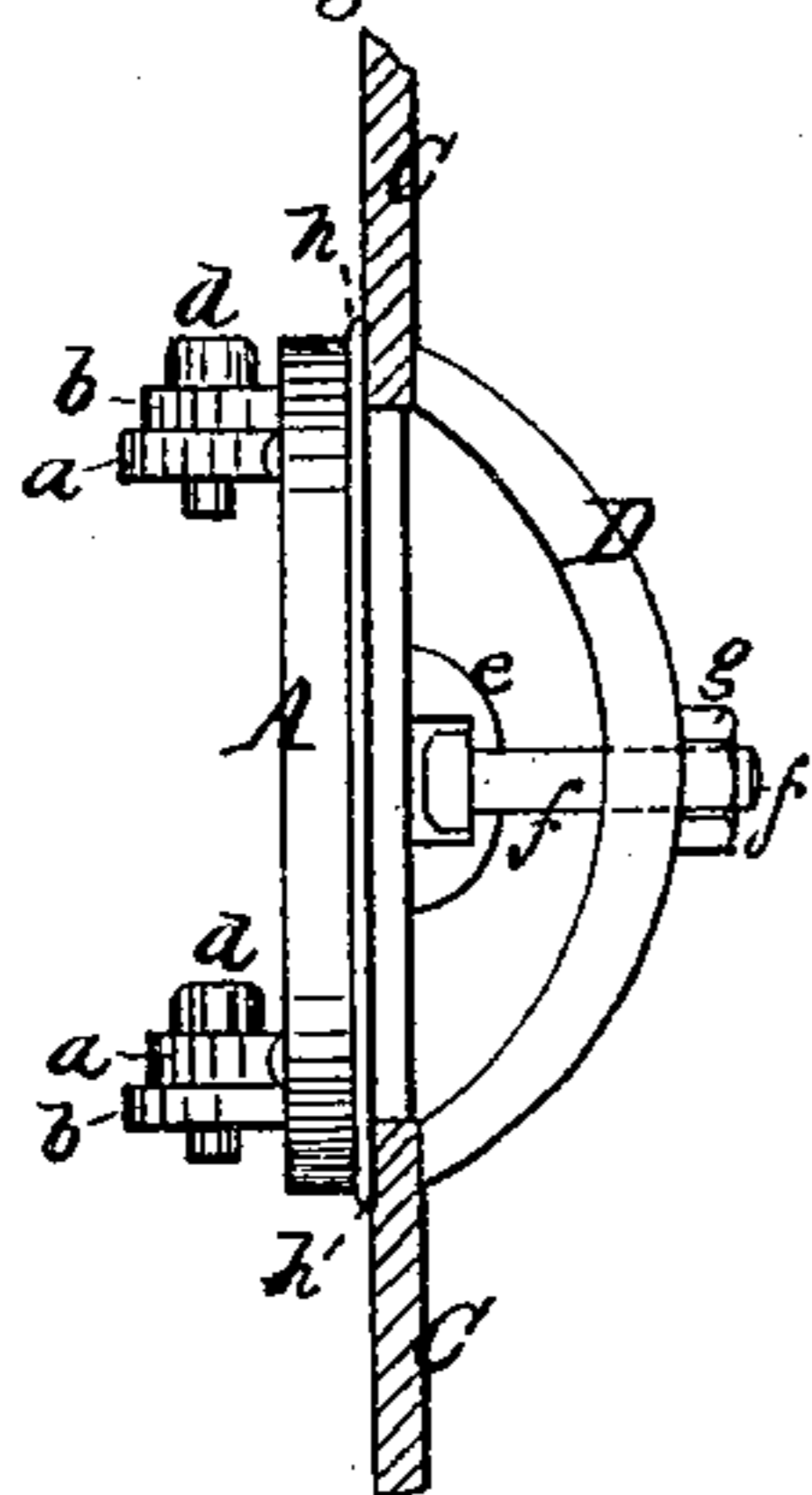
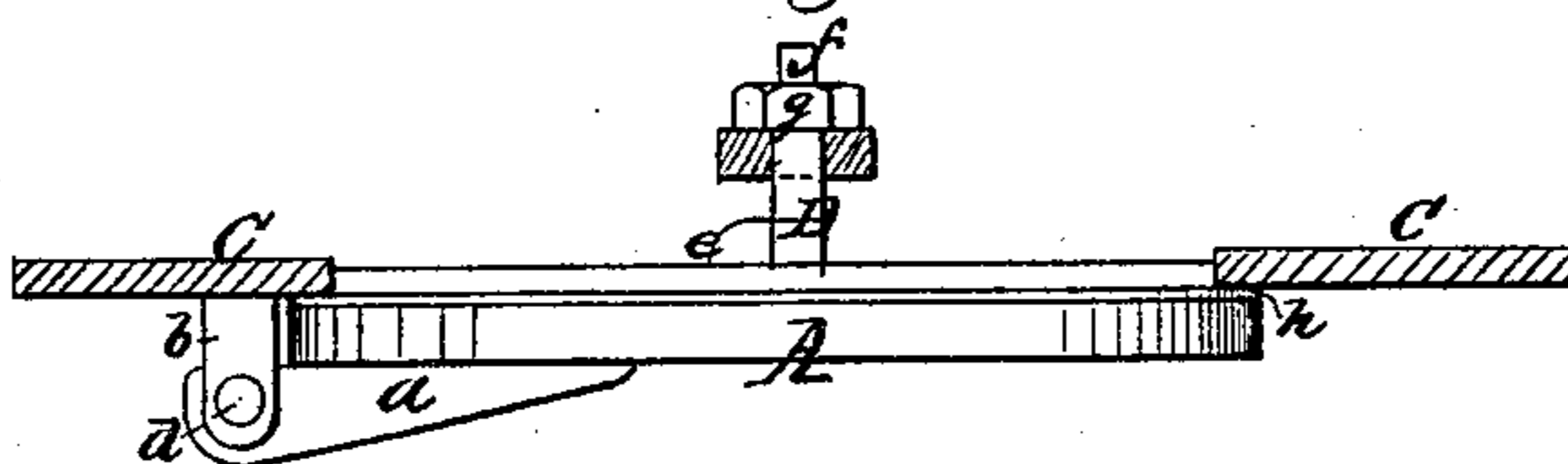


Fig. 3.



Witnesses.
Wm Jack.
Samuel Catwell.

Inventor.
John D. Samson.

United States Patent Office.

JOHN D. SANSOM, OF PEORIA, ILLINOIS.

Letters Patent No. 110,872, dated January 10, 1871.

IMPROVEMENT IN MAN-HOLE PLATES FOR STEAM-BOILERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN D. SANSOM, of the city of Peoria, in the county of Peoria and in the State of Illinois, have invented a Hinged "Man-hole Plate" for Boilers, Steam-Generators, Heaters, or other Reservoirs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a perspective view;

Figure 2 a lateral view; and

Figure 3 a superficial view.

This device consists in hanging the man-hole plate for boilers or receptacles in which such plate is used on hinges, so as to open horizontally, and to be convenient when wanted to close the man-hole, instead of having to fish the plate out of the hot water within the boiler.

It consists of a vertical iron, B, having a projecting lug, b, at either end, pierced to receive a vertical bolt, d, which also passes through the eyes or holes of the horizontal hinges a a, attached to one end of the plate A. The iron B is bolted to the boiler-head between the hinges.

The bolt-holes of the hinges a a may be made longer, at o, in a direction at right angles with the plate and boiler-head, so as to permit of the more ready adjustment of the plate to the interior surface of the boiler, the hinges only being necessary for the purpose of keeping the plate suspended at the hole.

The crab D, with its usual bolt, f, and the head which enters the nipple e in the outer face of the plate, performs the office of making a closer adjustment of the plate and a complete closing of the hole.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent, is—

The hinged man-hole plate A for steam-boilers, in combination with the crab D and bolt f, for securing it, substantially as and for the purpose set forth.

In testimony that I claim the foregoing hinged man-head I have hereunto set my hand this 13th day of June, A. D. 1870.

JOHN D. SANSOM.

Witnesses:

WM. JACK,
SAMUEL CALDWELL.