

W. J. HALLEFAS.

Gripping-Tongs.

No. 134,798.

Patented Jan. 14, 1873.

Fig. 1

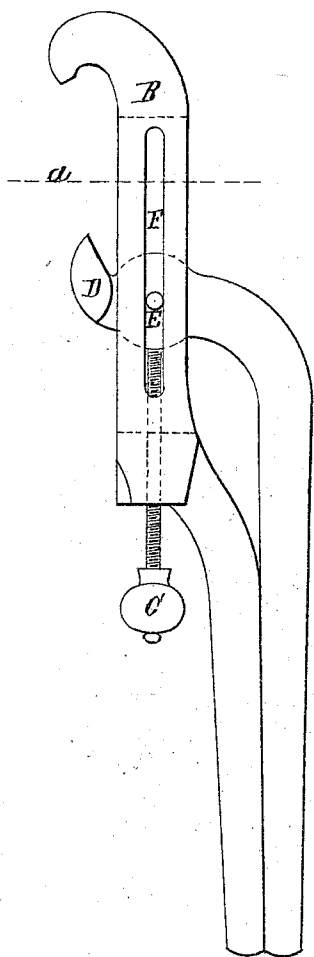


Fig. 2

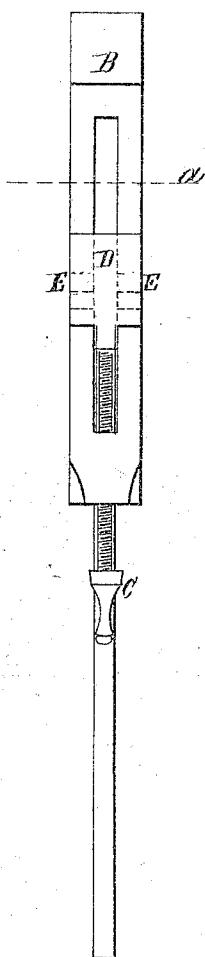


Fig. 3

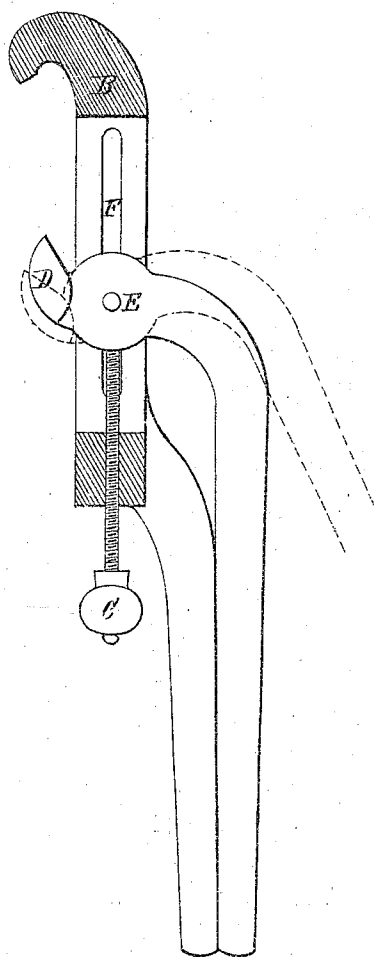
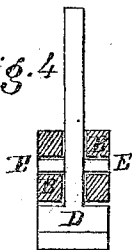


Fig. 4



Witnesses:

Arthur Weiss }
Charles H. Huntington }

Inventor:

William J. Hallfas

UNITED STATES PATENT OFFICE.

WILLIAM J. HALLEFAS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN GRIPING-TONGS.

Specification forming part of Letters Patent No. 134,798, dated January 14, 1873.

To all whom it may concern:

Be it known that I, WILLIAM J. HALLEFAS, of Brooklyn, Kings county, and State of New York, have invented certain Improvements in Griping-Tongs, of which the following is a specification:

This griping-tongs is intended for use in building iron pans, boilers, ships, &c.; and is so constructed as to enable it to lie up close to its work on flat surfaces when screwing on or removing bolts and nuts, or griping bar-iron. It consists of a massive upper jaw or frame, having a bracing-screw in its lower end, and a lower jaw, which slides within the upper jaw on arms or trunnions which support it, said lower jaw being braced up against the object by the bracing-screw, rendering the tongs very strong and convenient to handle, and giving it many advantages over the ordinary tongs, in which the jaws are lapped one over the other, with a headed bolt and nut for its pivot, tending to weaken the tongs and prevent its close approach to its work.

In the drawing, Figure 1 represents an elevation of the griping-tongs; Fig. 2, an edge view of face; Fig. 3, a sectional elevation; and Fig. 4, a transverse section on line *a a*.

B is the upper jaw or frame of the tongs, and C is the bracing-screw in the lower end of said jaw for bracing the sliding jaw D up to the object to be held between the jaws. This sliding jaw D is provided with arms E E, which slide in the slots F F in the upper jaw, and support the sliding jaw when in action.

What I claim is—

The frame or jaw B, in combination with the bracing-screw C, sliding jaw D with arms E E, and slots F F, constructed, arranged, and operating substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my signature this 17th day of October, 1872.

WILLIAM J. HALLEFAS.

Witnesses:

ARTHUR NEILL,
CHARLES H. HUNTENBURG.