

(No Model.)

W. R. TOWSE.

SAW HANDLE.

No. 323,833.

Patented Aug. 4, 1885.

Fig. 1.

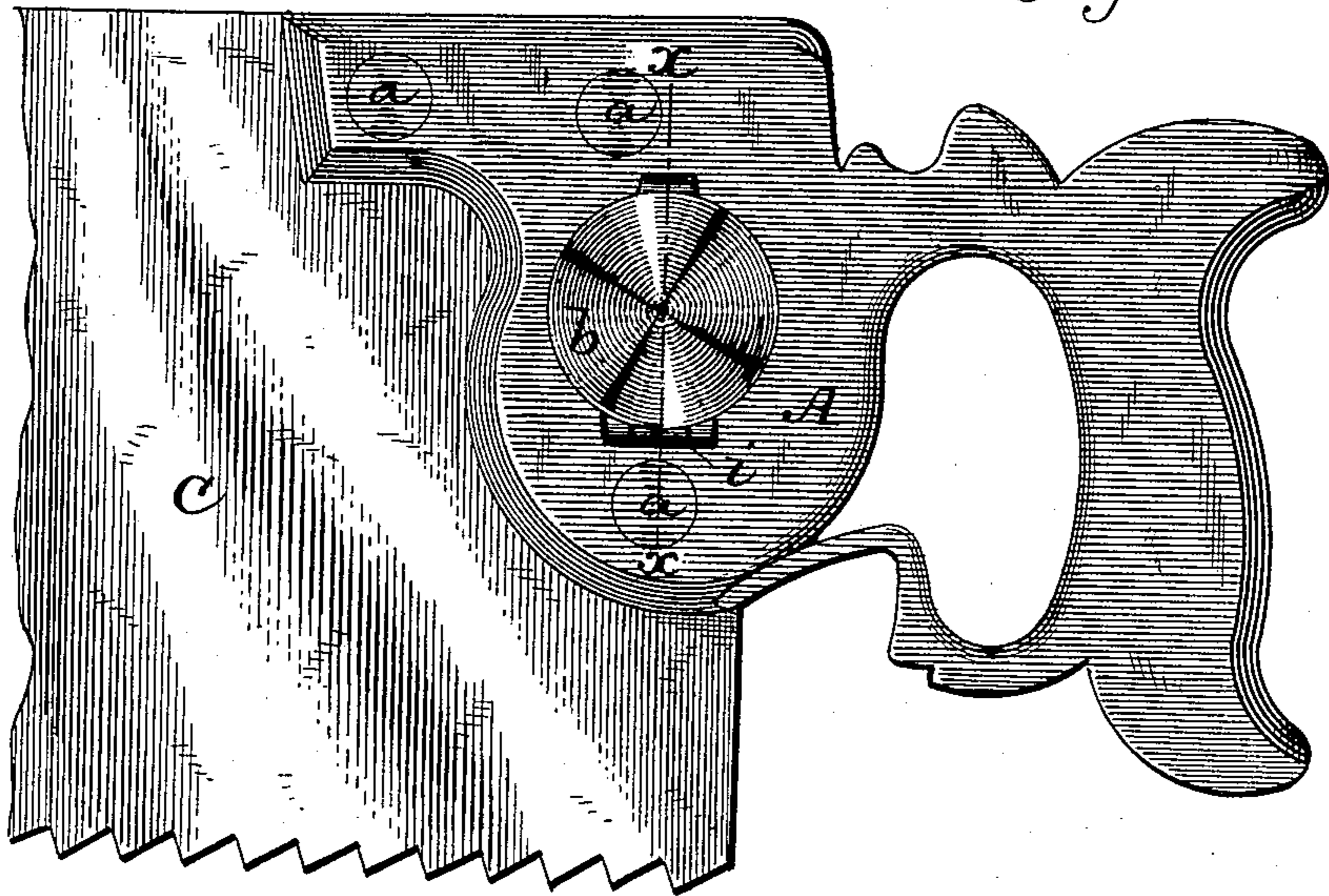


Fig. 2.

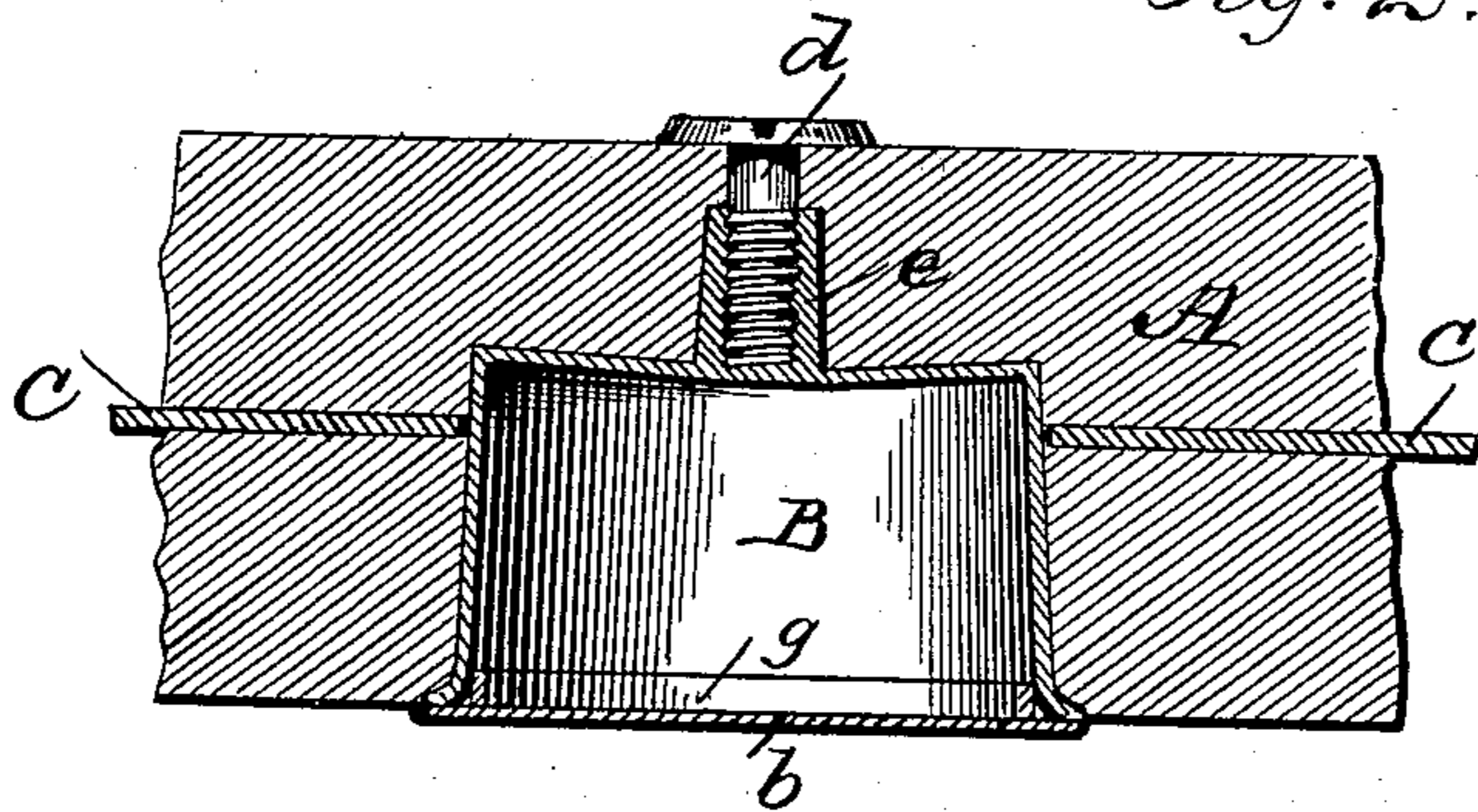
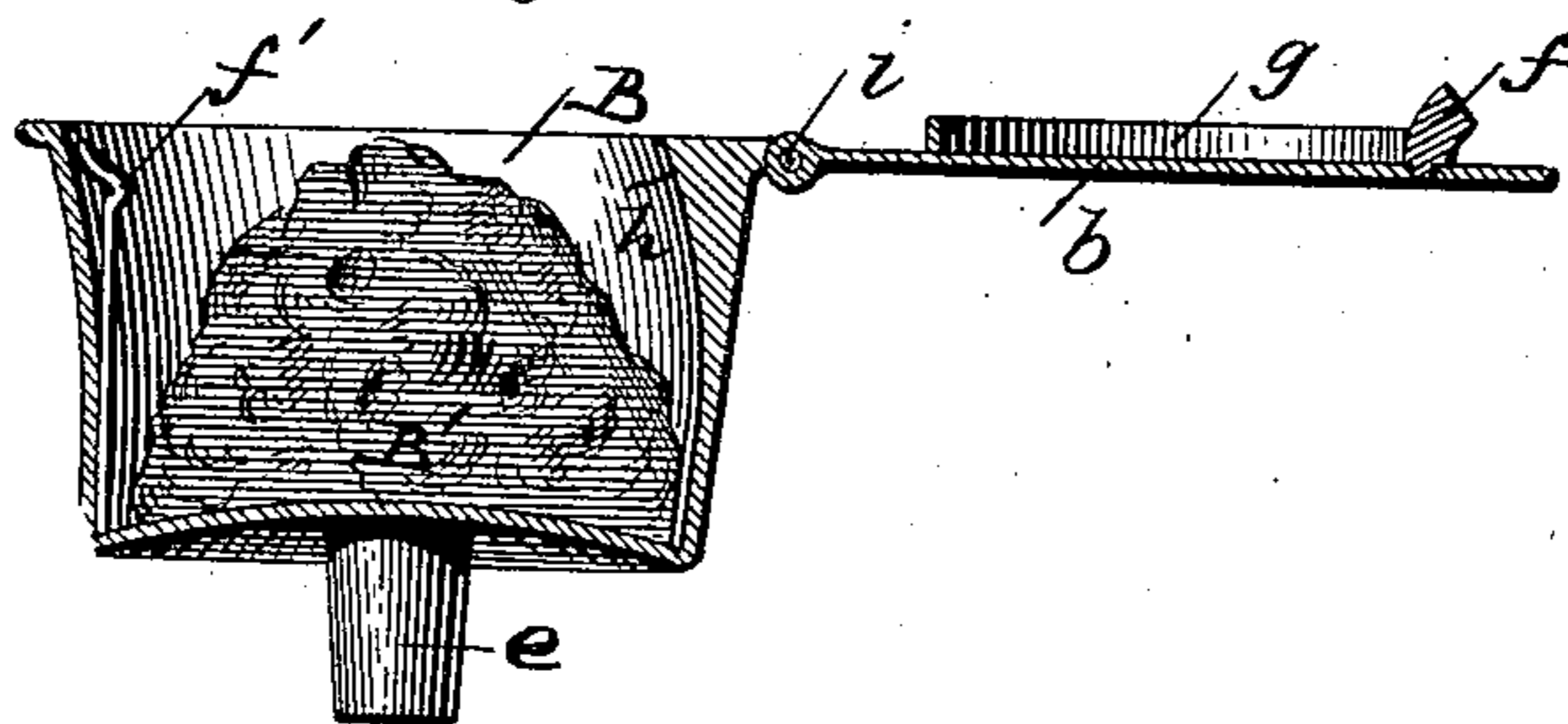


Fig. 3.



Witnesses:

L. C. Hills,
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Inventor:

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by C. C. Shepherd
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UNITED STATES PATENT OFFICE.

WILLIAM R. TOWSE, OF COLUMBUS, OHIO.

SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 323,833, dated August 4, 1885.

Application filed February 25, 1885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. TOWSE, a citizen of the United States, and a resident of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Hand-Saw Handles, of which the following is a specification.

My invention relates to the handles of hand-saws, and more particularly to those known as "carpenters' saws," wherein a handle adapted to be held in one hand only is secured to the saw-blade by means of small bolts or rivets, and the objects of my invention are, first, to provide a saw-handle with a cup adapted to hold oil or grease; second, to provide a saw-handle with an oil or grease cup, which at the same time performs the function of a nut for the screw-threaded handle-bolts. I attain these objects in the manner illustrated in the accompanying drawings, in which—

Figure 1 represents a side view of a saw-handle having my improvement therein. Fig. 2 is a sectional view of a portion of the saw-handle and the cup. Fig. 3 is a section taken on line *xx* of Fig. 1, and showing the lid open.

Similar letters of reference refer to similar parts throughout the several views.

At any desirable bolting-point on the handle A a depression is formed of the required shape to admit of the metallic cup B being inserted therein (a corresponding hole being cut through the saw-blade at that point) until the surface of the lid *b* is flush with the surface of the handle. Projecting from the center of the bottom of said cup and cast therewith is a cylindrical nut, *e*, closed at its upper end, having internal screw-threads with which the threads on the bolt *d* are adapted to engage, thus forming a firm connection between the two sides of the handle.

The cup proper is slightly conical in form, tapering inward from its mouth, and is provided with a lid, *b*, hinged on one side thereof. The lid *b* is provided with a lug, *f*, on its under side and near its outer edge, having a shoulder on one side adapted to engage with a corresponding projection on a vertical spring, *f'*, in the cup B, and thus keep the lid closed. This spring-latch *f'* is secured at its

lower end near the bottom and against the wall of the cup by any suitable means. Within the cup B may be placed a sponge or other suitable material, *B'*, capable of being saturated with and retaining to a certain extent oil or grease. In order to prevent the oil or grease from running out of the cup when the saw is, as is often the case, left standing or hanging against a wall with the handle up, the metal forming the lower side of the cup when the saw is in this position is of greater thickness near the mouth of the cup than toward the bottom, thus forming a dam against the escape of any small amount of oil which may not be absorbed by the material within the cup. As a further precaution against the escape of oil a flange, *g*, of proper size to conform to the shape and size of the inner edge of the mouth of the cup is made to project at right angles from the lower side of the lid, and its two ends meeting on opposite sides of the lug *f* an inclosure is formed which will hold such oil or grease gathered on the lid (from contact with the sponge) when the lid is thrown back. This flange *g* is adapted to enter the cup when the lid is closed and bear against the inner periphery of the cup.

By the above-described means it will be seen that the cup B may be made to hold oil or grease in a convenient place for use when it is desired to oil or grease the saw-blade, and at the same time perform the function of a nut for one of the saw-handle bolts.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a hand-saw handle, the combination of an oil or grease cup, B, having a rearwardly-projecting nut, *e*, in combination with the handle-bolt *d*, substantially as and for the purpose described.

Signed at Columbus, in the county of Franklin and State of Ohio, this 20th day of February, A. D. 1885.

WILLIAM R. TOWSE.

Witnesses:

F. C. JOHNSON,
HENRY C. TAYLOR.