

No. 619,079.

Patented Feb. 7, 1899.

W. A. KINDT.
HANDSAW.

(Application filed Feb. 21, 1898.)

(No Model.)

Fig. 1.

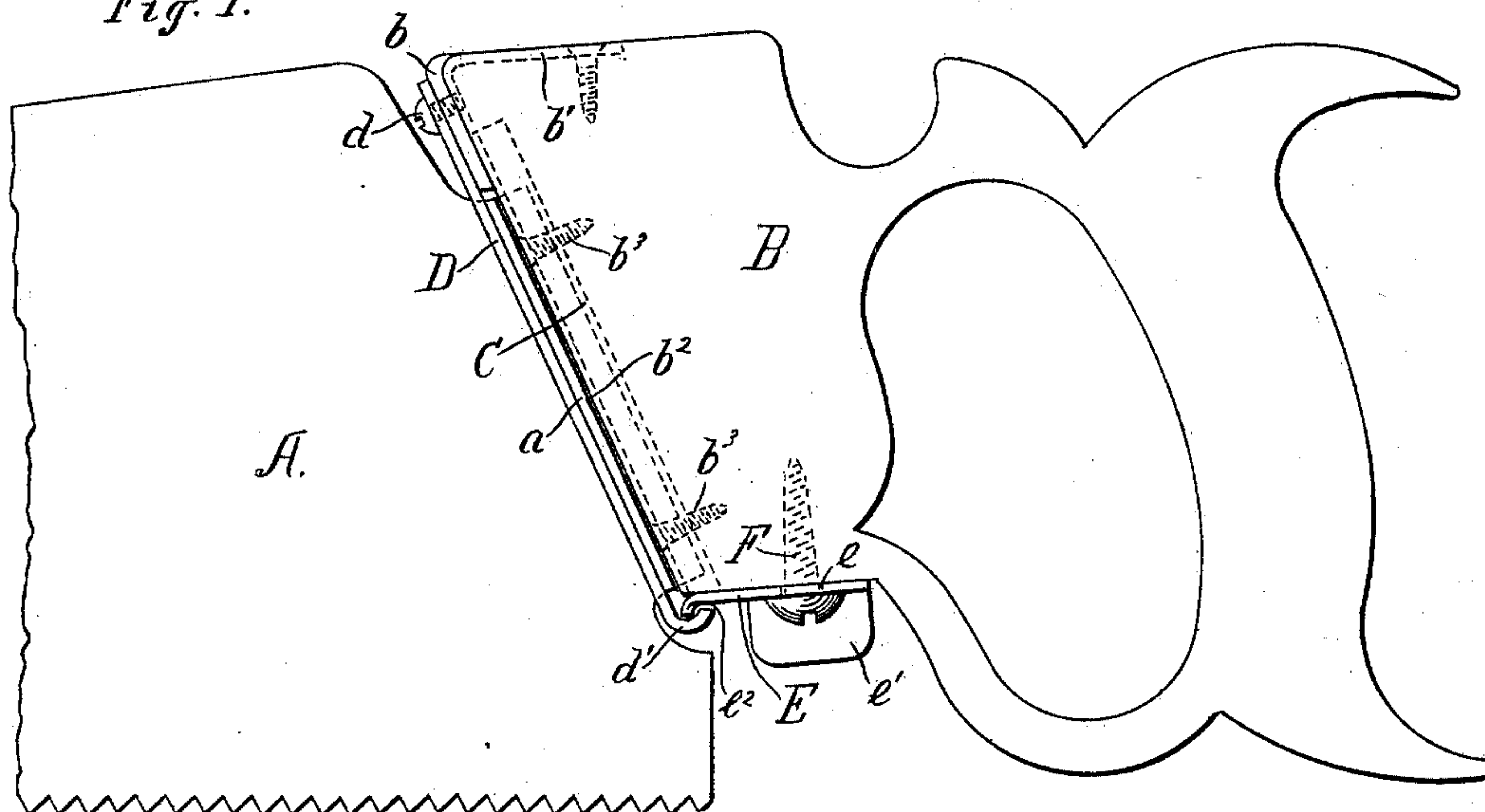


Fig. 2.

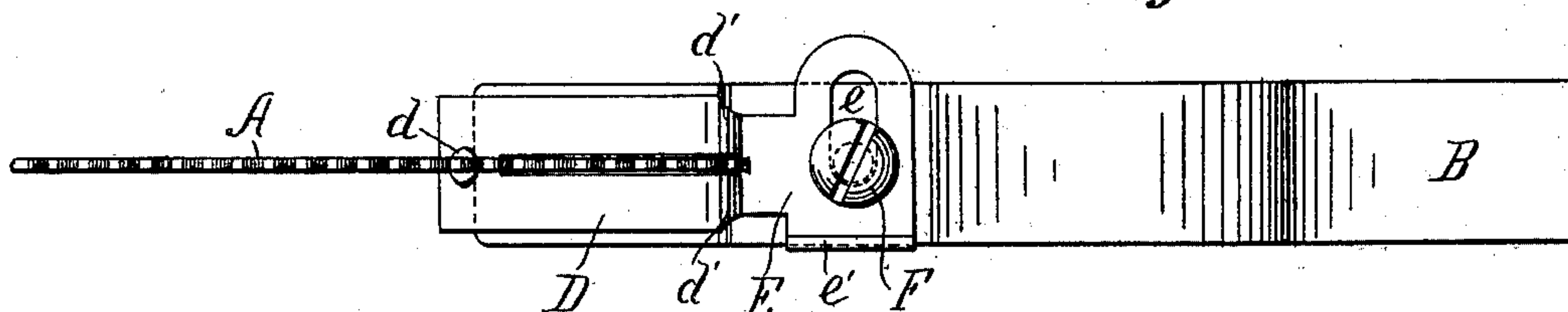


Fig. 3.

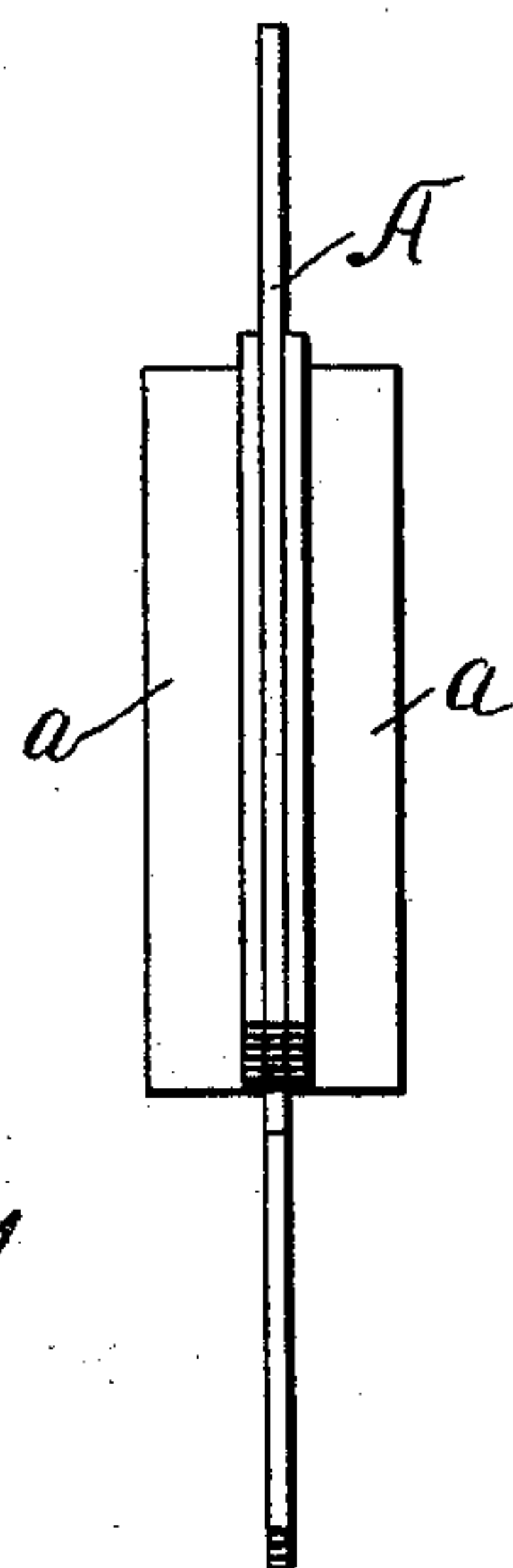
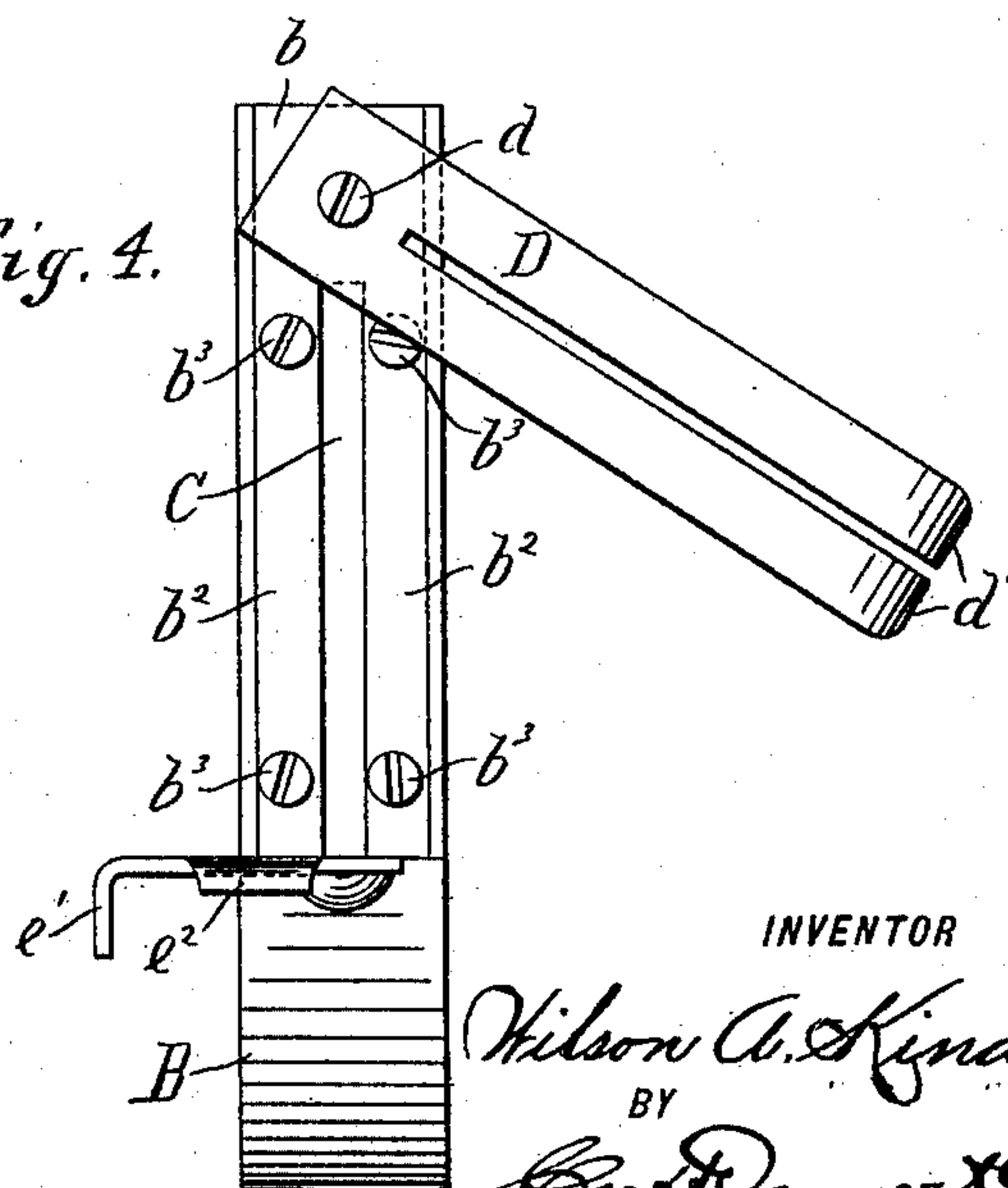


Fig. 4.



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HANDSAW.

SPECIFICATION forming part of Letters Patent No. 619,079, dated February 7, 1899.

Application filed February 21, 1898. Serial No. 671,185. (No model.)

To all whom it may concern:

Be it known that I, WILSON A. KINDT, a citizen of the United States, and a resident of Trenton, county of Mercer, and State of New Jersey, have invented certain new and useful Improvements in Handsaws, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to an improvement in handsaws; and the object thereof is to provide a simple and inexpensive handle for saws of this character which may be readily detached from the saw-blade and attached to another saw-blade of similar construction.

The invention will be hereinafter fully described, and specifically set forth in the annexed claims.

In the accompanying drawings, Figure 1 is a side elevation of the device, the blade being partly broken away. Fig. 2 is an inverted plan view of the same. Fig. 3 is an end view of the blade detached from the handle. Fig. 4 is an end view of the handle detached from the blade and shown in open position.

In applying my invention I employ a saw-blade A, having two wings *a* fixed upon one end thereof by means of rivets, or it may be formed integrally with said blade.

A handle B, having the usual grip, is provided upon its forward edge with a metallic plate *b*. One end of said plate is bent over the top of said handle and is preferably countersunk into the wood of which the handle is composed, as at *b'*. The lower portion of said plate is bifurcated, forming two extensions *b²* *b³* thereof, which are secured to the handle, preferably by means of screws *b³* *b³*.

A suitable slot C in the wood of the handle registers with the bifurcation of the metallic plate *b*. Attached to an integrally-formed projection of the plate *b*, at its upper end, is a bifurcated plate D of resilient metal, which is movable and is preferably pivoted to the said plate *b* by means of a screw *d*, which passes through the plate D and threads into the plate *b*, whereby the plate D is normally maintained in alinement with the plate *b*, as shown by Fig. 1 of the drawings, when the parts are assembled; but the face of the plate *b* can be uncovered by swinging the plate D,

as shown by Fig. 4 of the drawings, for the purpose of manipulating the fastening-screws *b³* for securing the plate *b* to the handle B. The slot in the plate D is narrower than the slot in the handle proper and of sufficient width only to receive the saw-blade proper. The lower ends *d'* *d'* of said plate D are curved rearwardly and upwardly to form a catch for locking the blade in position.

A locking device E embodies the metallic plate, having a slot *e* therein, said slot being cut in said plate transversely with relation to the handle. A downwardly-projecting lip *e'* forms a convenient finger-grip for the manipulation of the locking-plate.

A longitudinal projection from the sliding plate E is provided with a downwardly-extending lip *e²*, said lip being adapted to engage the upturned lower ends of the plate D.

A screw F is threaded into the lower portion of the handle, and upon the neck of said screw the locking-plate is adapted to slide.

In the operation of the device the saw-blade is entered in the slot of the plate D, the wings being below said plate and the whole brought in line with the slot C. It is then pushed upward in said slot until it reaches the upper end thereof. The locking-catch E is then slipped into position, effectually locking the blade in position and preventing accidental displacement thereof. The plate D, being of resilient metal, admits of its lower part being forced away from the handle to clear the flanges *a* during the operation of inserting the saw-blade, and the part *d'* will spring back under the lower ends of the flanges after the saw is inserted, as shown by Fig. 1 of the drawings. To remove the blade, the catch is slipped out from engagement with the curved ends *d'* *d'* of the plate D and said curved ends similarly raised to clear the wings of the blade. The blade may then be easily slipped out from the slot.

It is obvious that the plate D may be made of spring-steel of sufficient strength to act as its own catch. It is obvious, too, that a spring-catch may be employed to lock the plate D in position in place of the sliding catch shown and preferred. The upper end of the plate D, instead of being pivoted on a screw, may be hinged to the metallic plate *b*.

Having thus described my invention, what

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

1. An improved handsaw, comprising a
5 slotted handle having a bifurcated plate fastened thereto, over the slotted portion, a bifurcated plate of resilient metal secured to the said plate, and a removable blade having wings extended therefrom for engagement between the two said plates and a rearward extension engaging the slot in the handle, and
10 means for retaining the saw-blade to prevent accidental removal thereof, substantially as shown and described.

2. In a handsaw, the combination of a slot-
15 ted handle having a bifurcated plate over its slotted portion, a movable bifurcated plate of resilient metal connected to an extension of the said bifurcated plate, whereby, a space is left between the two said plates, and a saw-
20 blade with a projected end engaging the slot of the handle and having wings extended therefrom engaging the space between the two plates, and a slide for closing the entrance to the handle and preventing accidental removal

of the saw-blade, substantially as shown and 25 described.

3. An improved handsaw, embodying a blade having wings fixed thereon, a slotted handle provided with a metallic bifurcated facing, a resilient metallic plate pivoted there-
30 to, said resilient plate being provided with a slot to receive the saw-blade proper and with upturned curved ends, a sliding locking-plate provided with a slot through which a screw is passed for retaining it on the handle, 35 said locking-plate being provided with a downwardly-extended lip for engagement with the upturned ends of the said resilient plate and with a projected finger-grip for operating it, substantially as shown and described. 40

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 15th day of February, 1898.

WILSON A. KINDT.

Witnesses:

B. McCOMB,
M. McCLEAN.