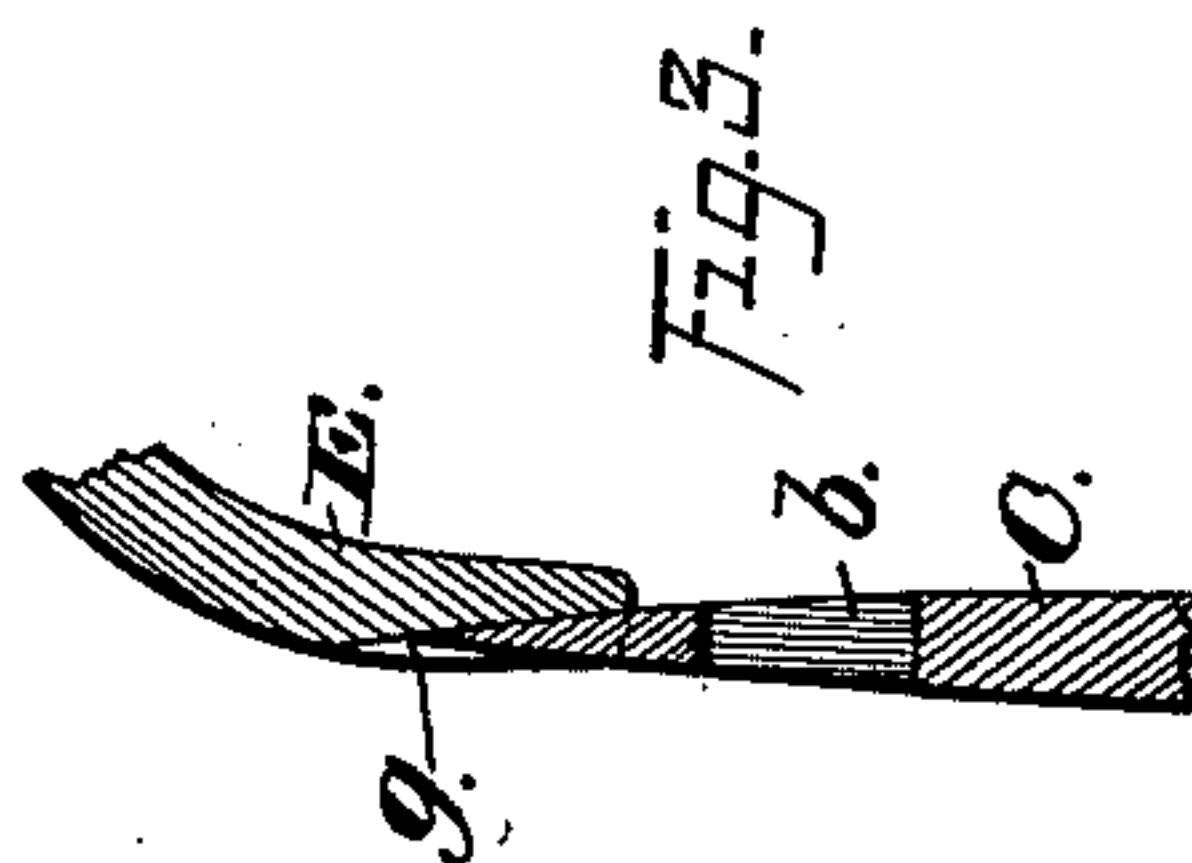
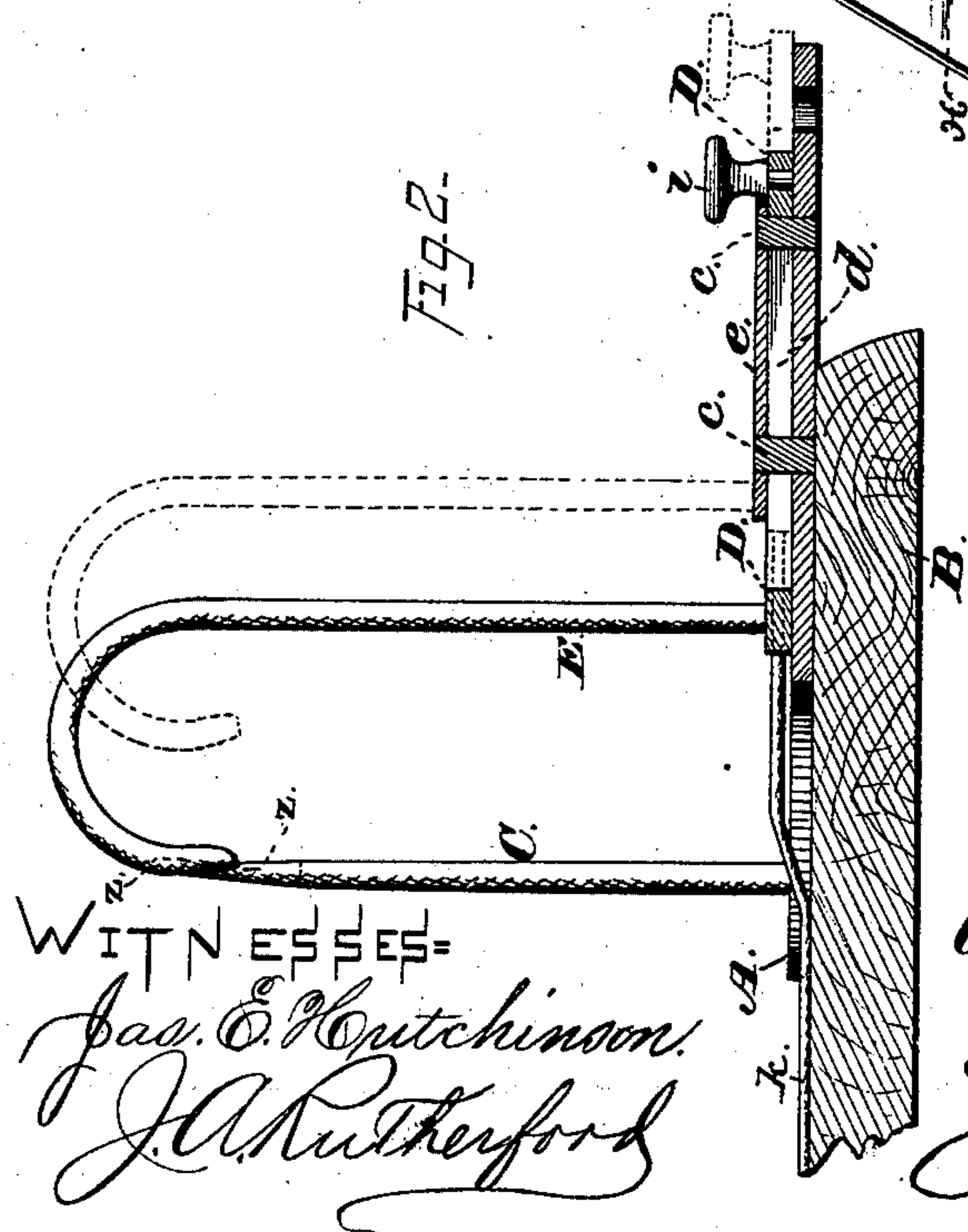
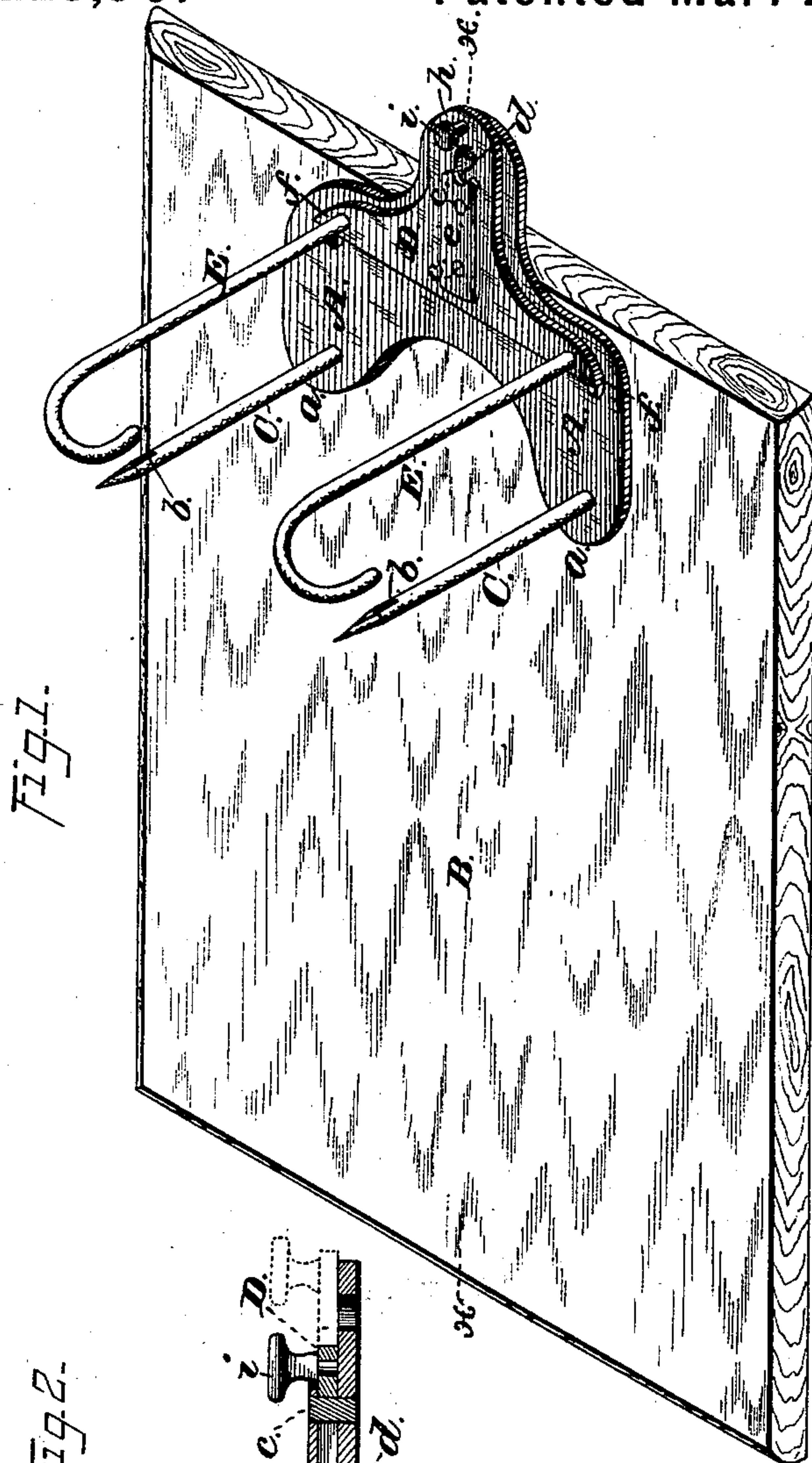


G. C. WHITE & H. VAN ZUILEN.

Temporary Binder.

No. 225,901

Patented Mar. 23, 1880.



WITNESSES=

Geo. E. Hutchinson.  
J. A. Rutherford

IN WITNESS WHEREOF.

Geo. C. White & Henry Van Zuielen,

by James L. Norris,  
Att'y.



# UNITED STATES PATENT OFFICE.

GEORGE C. WHITE AND HENRY VAN ZUILEN, OF WASHINGTON, D. C.

## TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 225,901, dated March 23, 1880.

Application filed February 5, 1880.

*To all whom it may concern:*

Be it known that we, GEORGE C. WHITE, a citizen of the United States, and HENRY VAN ZUILEN, a subject of the King of Holland, both residing at Washington city, in the District of Columbia, have invented new and useful Improvements in Temporary Binders, of which the following is a specification.

This invention relates to that class of temporary binders which are constructed with fixed vertical duplex puncturing-wires and duplex transfer-wires capable of movement in order to separate or bring together their free ends, such arrangement permitting the withdrawal of any paper or the insertion of any paper between those already filed on the puncturing-wires.

The object of the present invention is to avoid the employment of complex devices for maintaining the ends of the transfer-wires in contact with or separated from the ends of the puncturing-wires.

Our invention consists in a metallic plate attached to one edge of a tablet, and constructed with upwardly-projecting lugs and vertical duplex puncturing-wires, in combination with a sliding metallic plate provided with curved transfer-wires and a longitudinal slot, within which the lugs of the other plate are arranged, and a yielding strip overlapping the edges of the longitudinal slot in the sliding plate and attached to the upper ends of the said lugs, said yielding plate serving to prevent vertical movement of the sliding plate, and at the same time, by its elasticity, serving to hold said plate in any adjusted position, all of which will be fully hereinafter described.

In the accompanying drawings, Figure 1 represents a perspective view of a paper file or holder constructed according to our invention; Fig. 2, a longitudinal vertical section on the line *x x* of Fig. 1, and Fig. 3 a sectional view of one of the ends of the puncturing and transfer wires.

Referring to the drawings, the letter A indicates a flat metallic base-plate attached to one end of a wooden or other tablet, B, and to the front opposite corners, *a a*, of which are attached the vertical fixed puncturing-wires C, provided with pointed ends, perforated, as at *b*, for the passage of a cord or thread for the

purpose of temporarily securing or binding the papers, as ordinarily practiced, and said metallic base-plate A is provided with an aperture or other means by which it may be held in suspended position on a nail or pin.

The metallic base-plate A preferably projects beyond the edge of the tablet, and is furnished with two upwardly-projecting lugs, *c c*, arranged in line with each other, which lugs extend through a longitudinal slot, *d*, formed at the center of a metallic plate, D.

To the projecting ends of the lugs are riveted or otherwise securely attached a brass or other yielding confining-strip, *e*, which overlaps the slot *d* and serves to confine the upper metallic plate in proper position on the supporting base-plate.

The letters E E indicate the two transfer-wires, which are fixed in the opposite front corners, *f*, of the plate D, and extend vertically therefrom, their upper ends being curved or arched symmetrically outward, terminating in beveled recessed ends *g*, which are adapted to set over and partially embrace the pointed ends of the puncturing-wires.

The rear end, *h*, of the upper plate, D, is provided with an operating-knob, *i*; but in lieu of said knob it may be found cheaper and preferable to bend up the end *h* of the plate at right angles thereto in order to form the operating-handle.

The metallic plate D is capable of being moved in a horizontal path on a plane parallel to the upper surface of the fixed supporting base-plate, and it is accurately guided in such sliding movement by the lugs *c c*, whereby the free ends of the transfer-wires can be readily brought into contact with or separated from the pointed ends of the puncturing-wires.

The rearward sliding movement of the plate D is limited by the inner end of the slot *d* coming in contact with the forward lug, *c*; and when in this position it will be observed that the ends of the transfer-wires act as guards, against which the edge of the paper rests when placing it on the puncturing-wires, and thus the papers can be evenly and uniformly placed on file. This function of the transfer-wires is due to the fact that their free ends project below the pointed ends of the puncturing-wires, and maintain such relative position at all times,



owing to the horizontal sliding movement of the plate D.

5 The sliding plate may be actuated by a wire, *k*, Fig. 2, which is connected with said plate, and extends along the tablet B to the front end of the same, where it may be provided with an operating handle or knob.

10 In the horizontal sliding movement of the plate which carries the transfer-wires said plate is held at any adjusted position by means of the yielding confining-strip *e*; and hence we avoid the employment of complex devices, such as recessed springs and cranks, for holding the transfer-wires in contact with or separated  
15 from the puncturing-wires, and we provide a paper holder or file which is less expensive to manufacture than those of this class as heretofore constructed, while it is in every respect as efficient and effective in use.

20 We do not claim, broadly, in this application the combination of a base or support, two parallel puncturing-wires, and two parallel curved transfer-wires, one set of said duplex wires having horizontal feet arranged in parallel  
25 guideways and capable of sliding in a horizontal path parallel to the surface of the base

or support, as such features are embodied in a separate application for Letters Patent filed of even date herewith.

Having fully described our invention, we 30 claim—

In a temporary binder, the metallic plate A, attached to one edge of a tablet, B, and constructed with the upwardly-projecting lugs *c* and vertical duplex puncturing-wires, in combination with the sliding metallic plate D, provided with the curved transfer-wires and the longitudinal slot, within which the lugs *c* are arranged, and the yielding strip *e*, overlapping the edges of said longitudinal slot in the sliding plate and attached to the upper ends of the lugs *c*, all constructed as herein shown, and for the purpose described. 40

In testimony whereof we have hereunto set our hands in the presence of two subscribing 45 witnesses.

GEO. C. WHITE.  
HENRY VAN ZUILEN.

Witnesses:

ALBERT H. NORRIS,  
JAMES A. RUTHERFORD.