

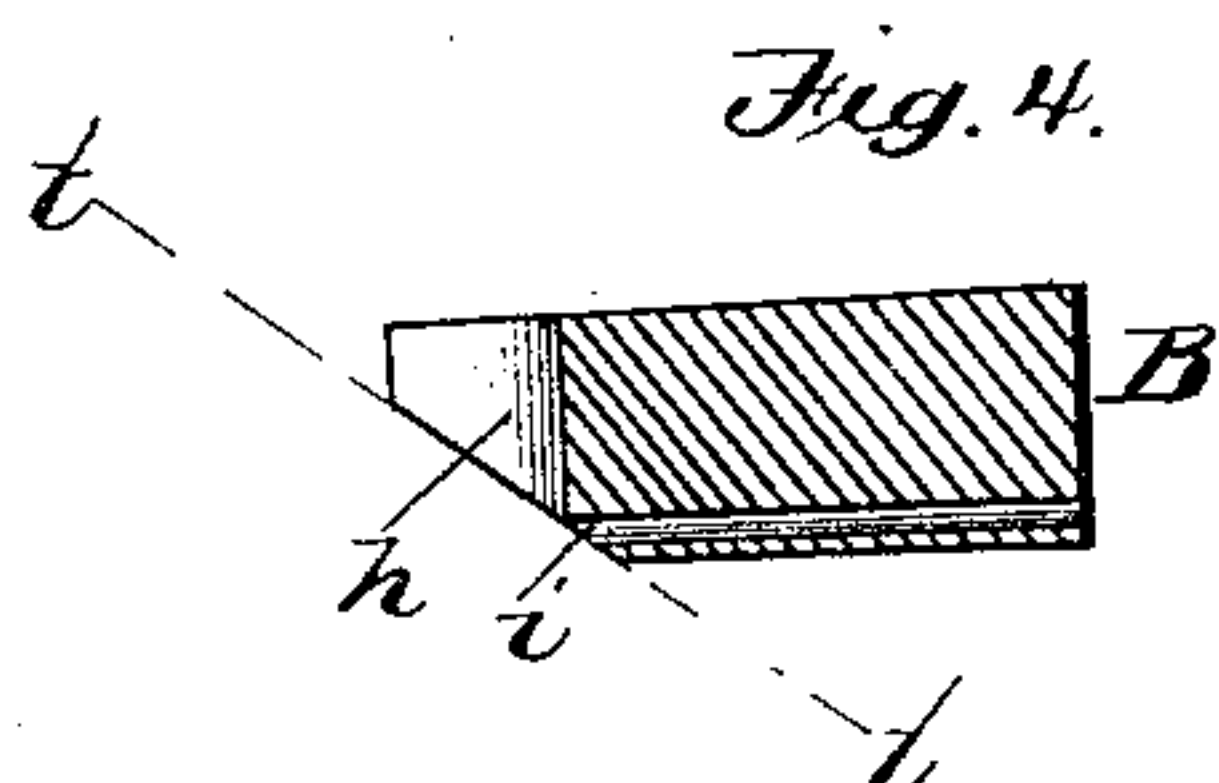
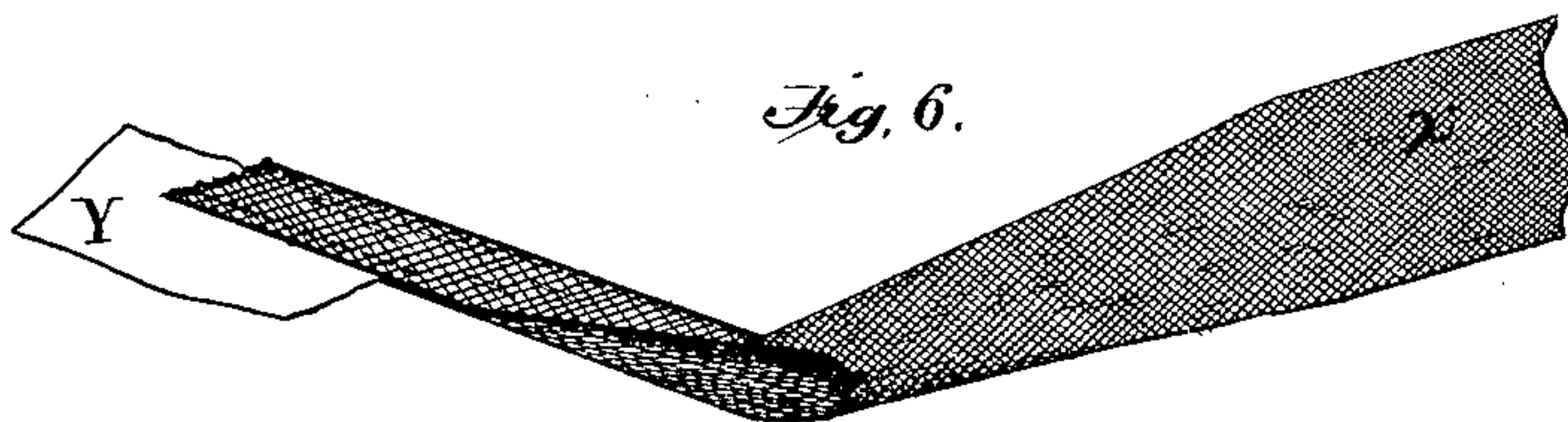
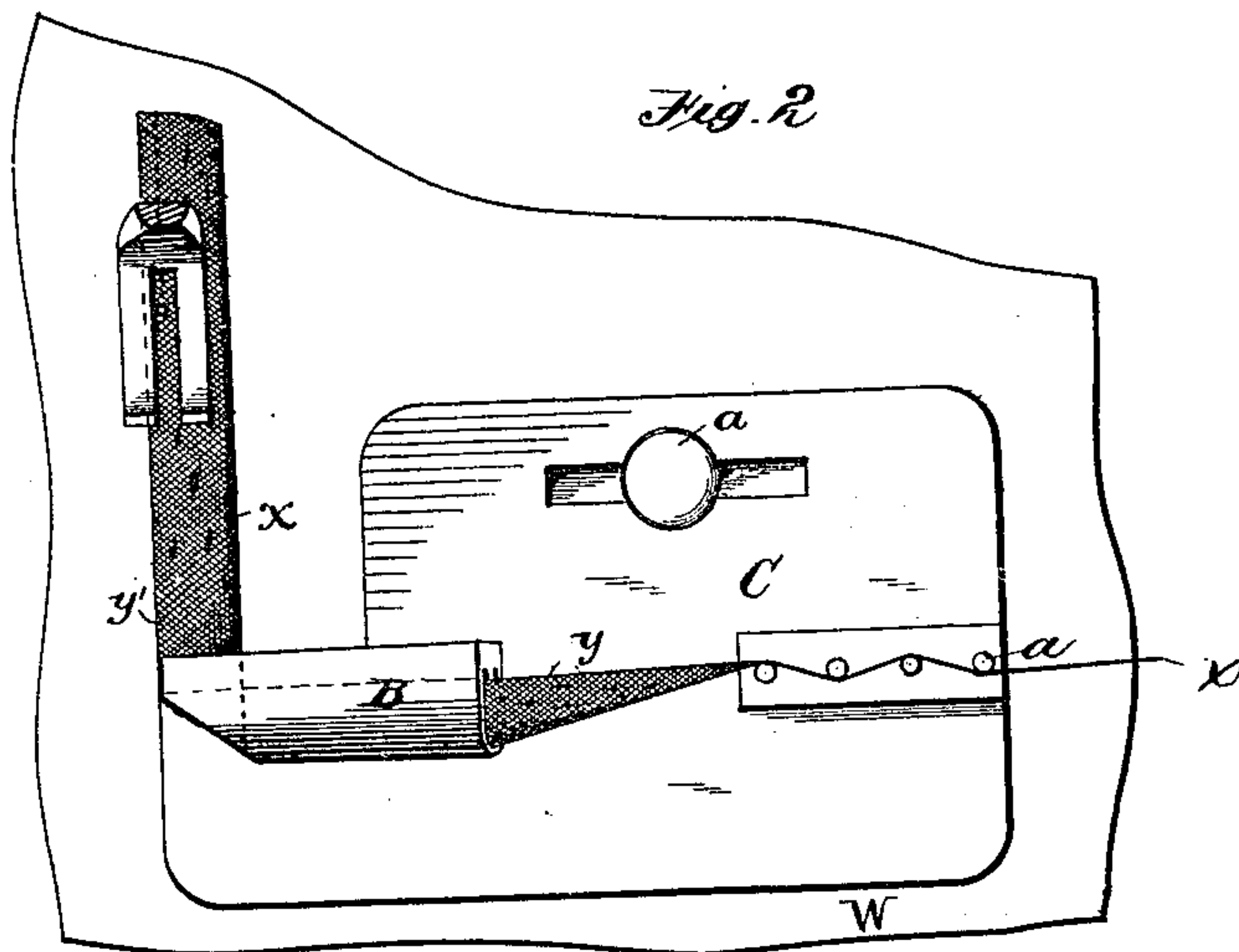
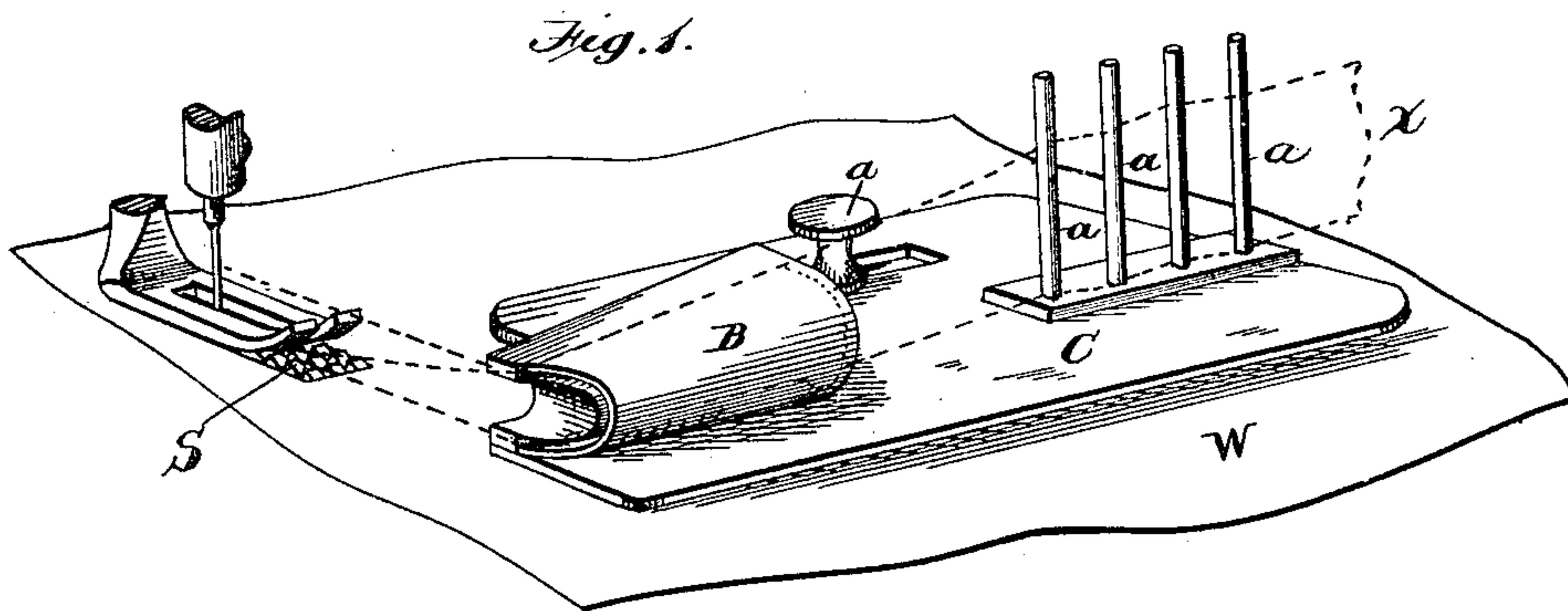
(No Model.)

W. PRETTY, Jr.

BINDING ATTACHMENT FOR SEWING MACHINES.

No. 273,602.

Patented Mar. 6, 1883.



WITNESSES:

W. H. Knight
H. E. Lammann.

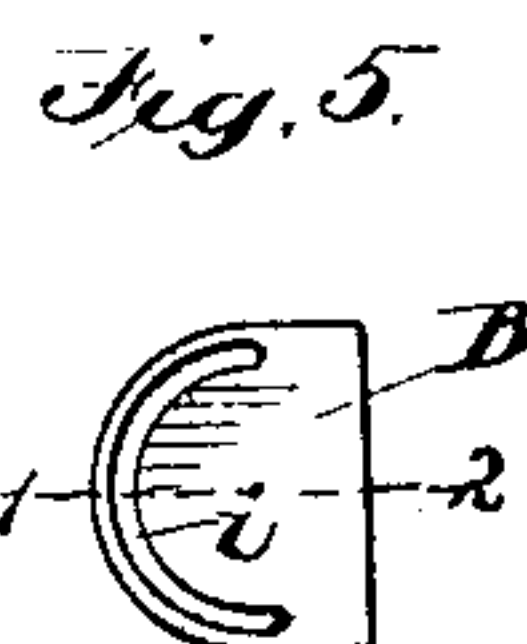
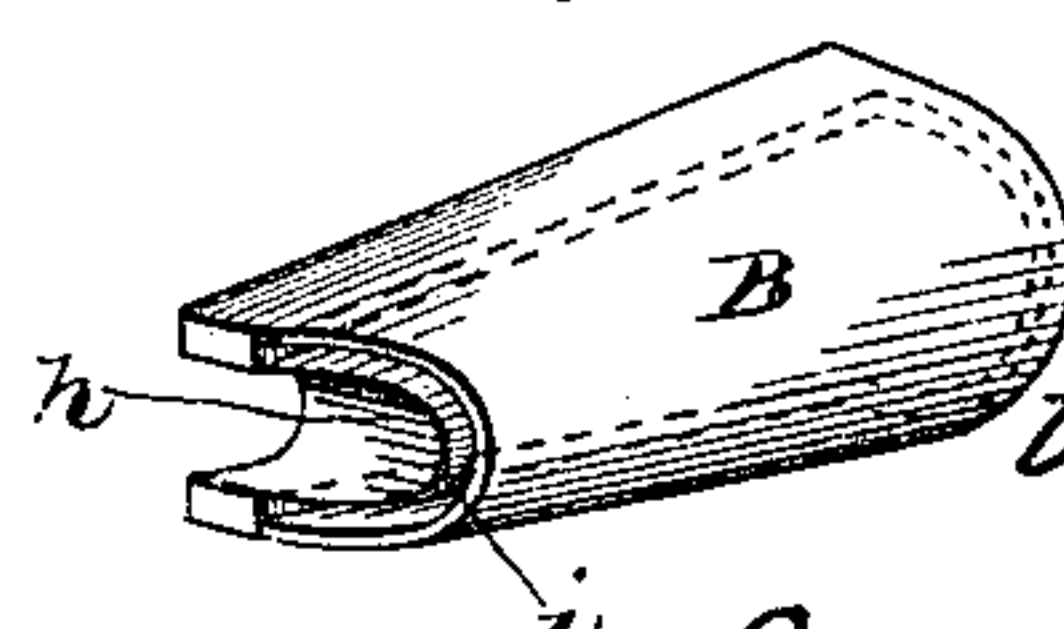


Fig. 3.



Wm. Pretty Jr.
INVENTOR

By Charles E. Foster

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM PRETTY, JR., OF IPSWICH, COUNTY OF SUFFOLK, ENGLAND, AS-
SIGNOR TO LUCIEN C. WARNER, OF NEW YORK, N. Y.

BINDING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 273,602, dated March 6, 1883.

Application filed December 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM PRETTY, JR., of Ipswich, in the county of Suffolk, England, have invented an Improved Binding Attachment for Sewing-Machines, of which the following is a specification.

My invention has for its object to facilitate the application and connection of bindings to fabrics; and my invention consists in a binder device, constructed as fully described hereinafter, whereby a binding material is folded over the edge of a fabric, and in such a combination of the said binder with a sewing-machine as secures the simultaneous feeding of the fabric and binding, and the sewing of the one to the other.

In the drawings, Figure 1 is a perspective view of my improved binding device, showing the same as applied to a sewing-machine. Fig. 2 is a plan of Fig. 1. Fig. 3 is a perspective view of the binder detached. Fig. 4 is a longitudinal section on the line 1 2, Fig. 5. Fig. 5 is an end view of the binder, and Fig. 6 is a diagram illustrating the folding of the binding.

B is a half-round tapering block or hollow case, through which longitudinally is a curved channel or slot, *i*, which is contracted or flattened somewhat toward the smaller end of the case. The case is adapted for being secured by a screw, *a*, or otherwise to the work-plate W of a sewing-machine. The end of the case B is cut off upon a plane, *tt*, Fig. 4, to form an end face at about an angle of forty-five degrees to the line of the channel *i*, and in said end is a notch, *h*, extending at right angles to said channel, said notch, when the device is secured to a sewing-machine, being on a line with the feed-dog S, the block B being at right angles to said line. The device being thus arranged upon the plate of the machine, the strip *x* of binding material is passed into the wide end of the channel *i*, and then through the latter, by which it is folded to a C shape, with its edges toward the back of the case, as at *y*,

Fig. 2, and is then carried at right angles, so as to bring it into the notch *h* with its folded central part toward and at right angles to the back of the case, and with its edges outermost, as shown at *y'*, Fig. 2, and in dotted lines, Fig. 1. The edge of the fabric Y to be bound is then passed into the notch *h* and into the fold of the binding, and both are carried between the presser-foot and the feed-dog, so that as the machine is operated they will be fed beneath the needle and sewed, the edge of the fabric passing through the notch *h*, and the strip *x* being drawn through the channel *i*, and bent at right angles and folded on the fabric as the latter is carried past the binder.

It will be evident that the binder may be constructed in different ways to secure the result above described; that it may be of wire or curved plates, or otherwise formed so as to secure a curved guide equivalent to the channel *i*, and a notch, *h*, at right angles thereto.

This device may be used for folding bindings of paper or fabric upon paper, carpet-linings, and for other purposes.

Without limiting myself to the construction shown, I claim—

1. A binding device consisting of a block or case having a longitudinal curved channel extending to an end face which is at an angle to the line of the channel, and with a notch at right angles to said line, substantially as set forth.

2. The combination, with a sewing-machine, of a binding device having a curved channel through which the binding-strip is passed, and a notch into which said strip is bent at right angles in line with the feed of the machine, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM PRETTY, JR.

Witnesses:

JAMES ED. SWEETMAN,
GEO. JACOB.