

(No Model.)

I. G. PLATT.
BUTTON.

No. 334,191.

Patented Jan. 12, 1886.

Fig: 1.

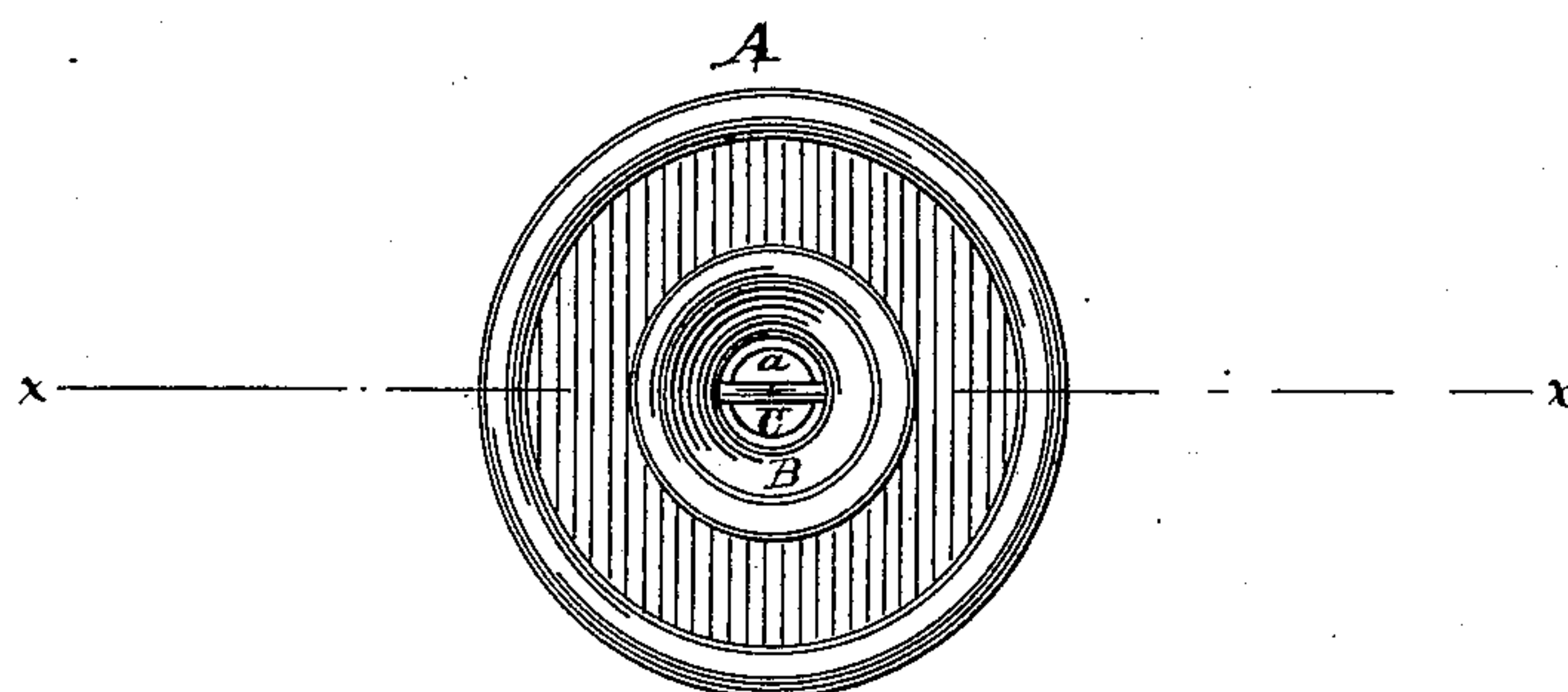


Fig: 2.

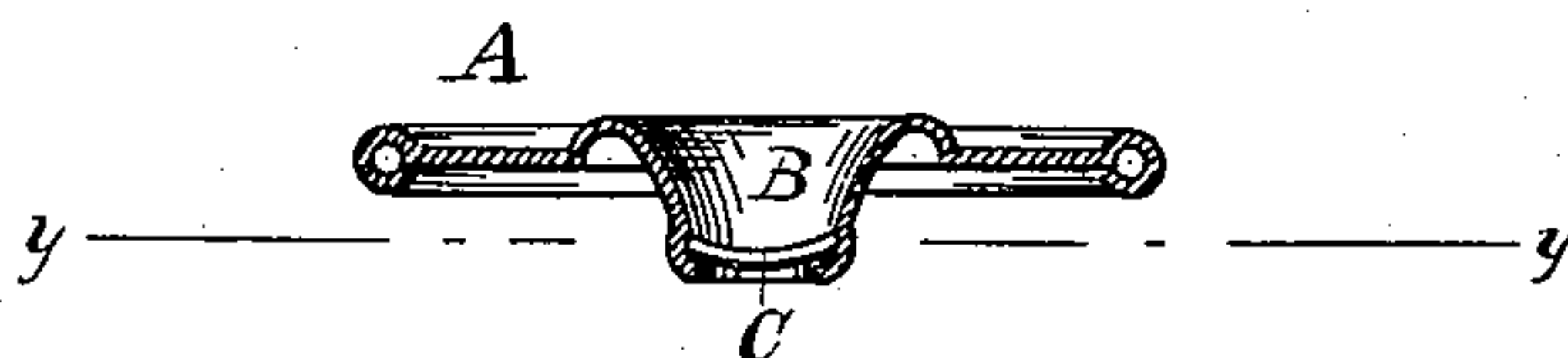


Fig: 3.



WITNESSES

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IRVING G. PLATT, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE PLATT BROTHERS & COMPANY, OF SAME PLACE.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 334,191, dated January 12, 1886.

Application filed May 11, 1885. Serial No. 165,049. (No model.)

To all whom it may concern:

Be it known that I, IRVING G. PLATT, of Waterbury, county of New Haven, State of Connecticut, have invented a new and useful
5 Improvement in Buttons; and I declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

10 This invention is in the nature of an improvement in buttons; and the invention consists in a button constructed from one piece of metal, with a central projection or hub, and a perforation, combined with a cross-bar, in the
15 manner hereinafter shown, described, and claimed.

In the accompanying sheet of drawings, Figure 1 is a plan or top view of my button; Fig. 2, a sectional view through the line *xx*,
20 Fig. 1; Fig. 3, a sectional view through the line *yy*, Fig. 2.

Similar letters of reference indicate like parts in the several figures.

This invention relates particularly to a one-
25 part button—that is, a button made from one piece of metal—and such a button is shown in the drawings making part of this specification; but, as is obvious, the invention is also applicable to a button made from more than
30 one piece of metal.

Referring to the drawings, A represents the face of a button. Centrally through this face of a button is drawn downward a tubular projection, B, which forms the hub of the button,
35 to project the face of the button from the surface of the garment to which it is attached, and so facilitate the buttoning and unbuttoning. This hub is perforated centrally, as shown at *a*. Up to this point the construction of my button does not differ from the con-
40 struction of similar buttons heretofore patented and well known; but such buttons were originally designed to be attached to the garment by means of a rivet or eyelet, and my
45 invention is to the end that a button of this kind may be attached by ordinary needle and thread. For that purpose I provide the afore-
said button with a cross-bar, C, in this wise:

A piece of wire of suitable diameter is cut to a length somewhat greater than the diameter 5 of the perforation *a*. The piece so cut is then inserted within the tubular hub B, and by simple pressure or percussive force the wire is pressed transversely in the tubular hub B until the ends of the wire to some extent indent the 5 walls of the tubular hub before mentioned, which will be found sufficient to firmly hold the wire within the hub, so that it cannot be accidentally detached, and it at once in that position forms the cross-bar C, (shown in each 6 of the three figures of the drawings,) over which by means of a needle a thread can be passed and the button in that manner be secured to the garment.

In some instances it may be advisable to 6 turn inward the lower edge of the perforation, so that the smooth rounded turn of the metal will not abrade the thread with which the button is secured, which would be likely to occur if sharp edges of the perforation were left 7 unfolded.

Heretofore buttons have been made with an integral central bar with pieces cut from either side and lapped around a loose piece of wire, which latter is not otherwise connected to the 7 button, and cannot possibly render any assistance or lend strength to the bar. Again, buttons similar in construction to mine have had the bar integral with the hub; but while such construction is good it is not so economical as 8 mine. It is not broadly original with me to apply a wire to a button for use as its attaching-bar, and I do not claim the same; but,

Having now described my invention, what I claim as new, and desire to secure by Letters 8 Patent, is—

The within-described button having the face A and tubular hub B, and the piece of wire slightly longer than the diameter of said hub, with its ends embedded in the sides of the bot- 9 tom of the hub and constituting the cross-bar C, substantially as shown and set forth.

IRVING G. PLATT.

In presence of—

I. W. KINDEGAN,
S. P. WILLIAMS.