

A. P. DAY.
CORDING ATTACHMENT FOR SEWING MACHINES.
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Patented Jan. 11, 1910.

Fig. 1.

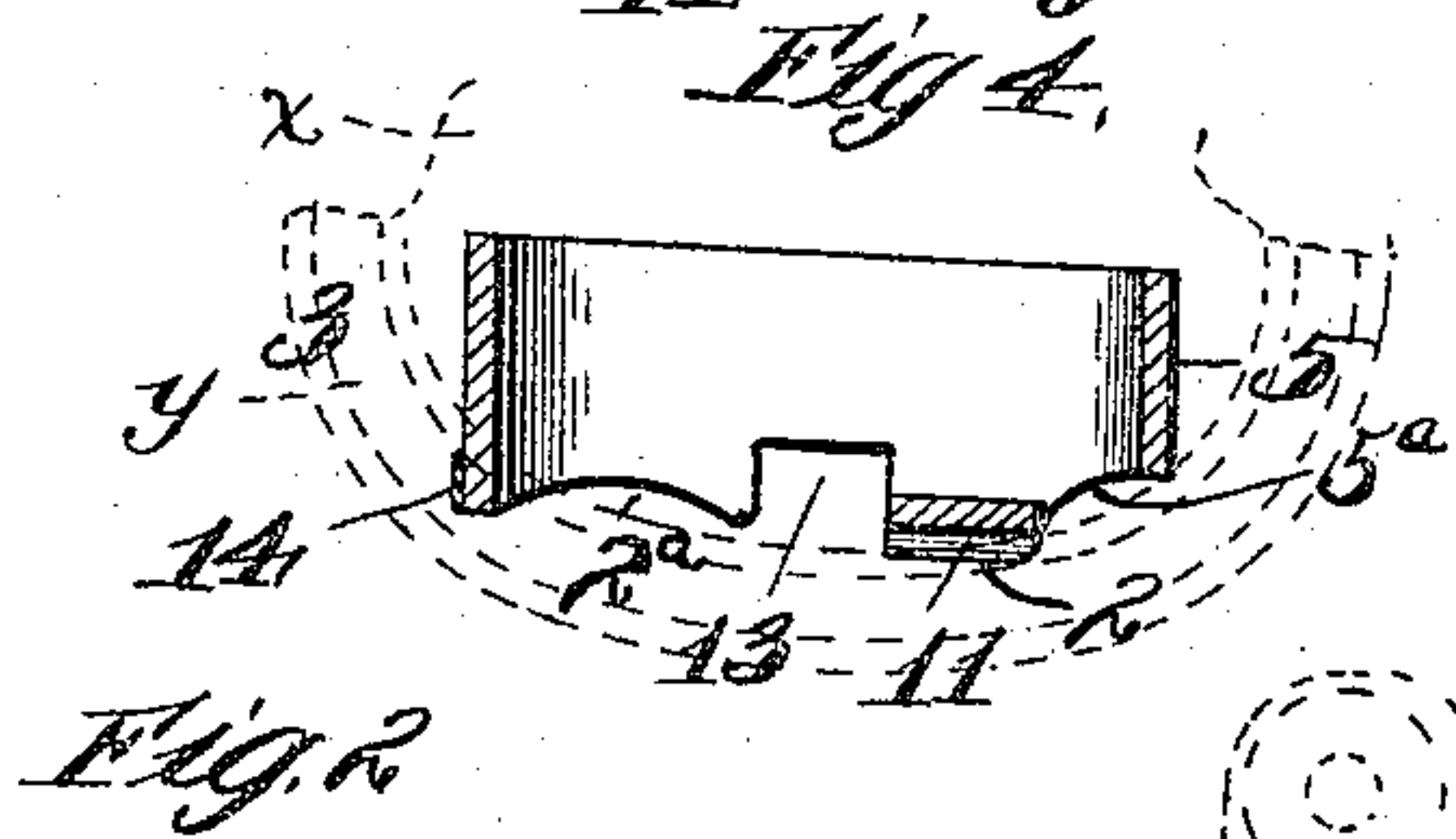
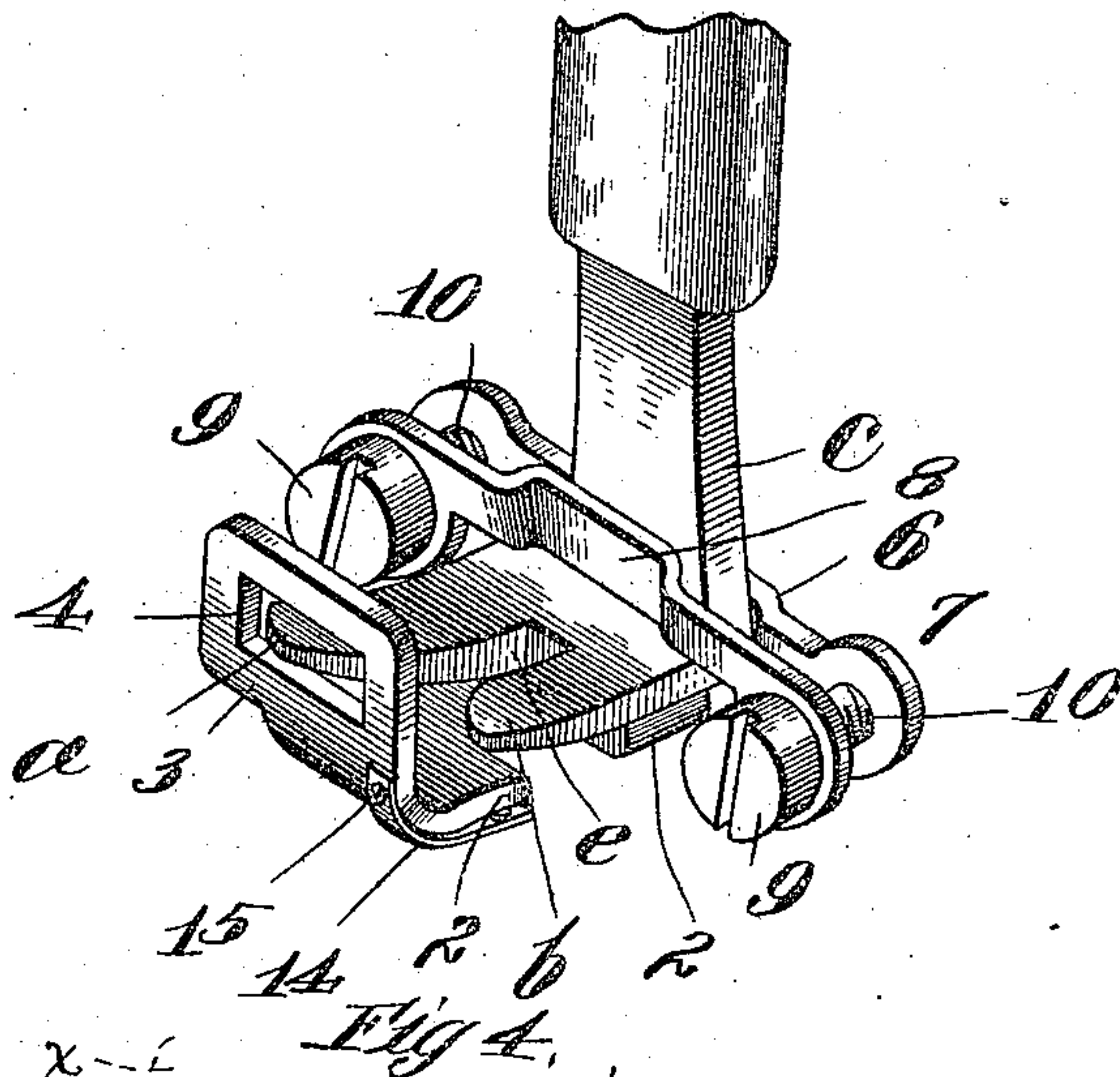
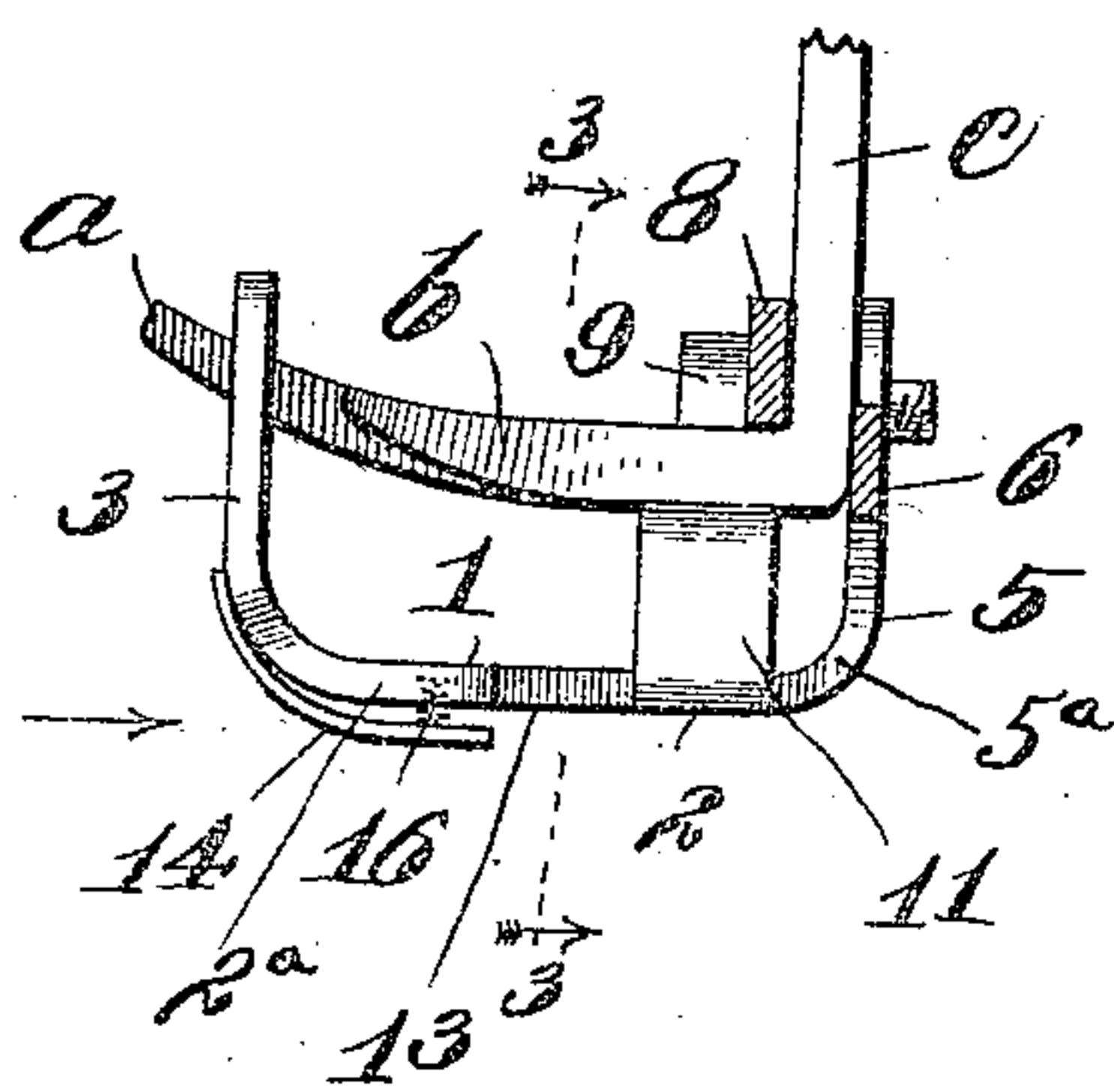
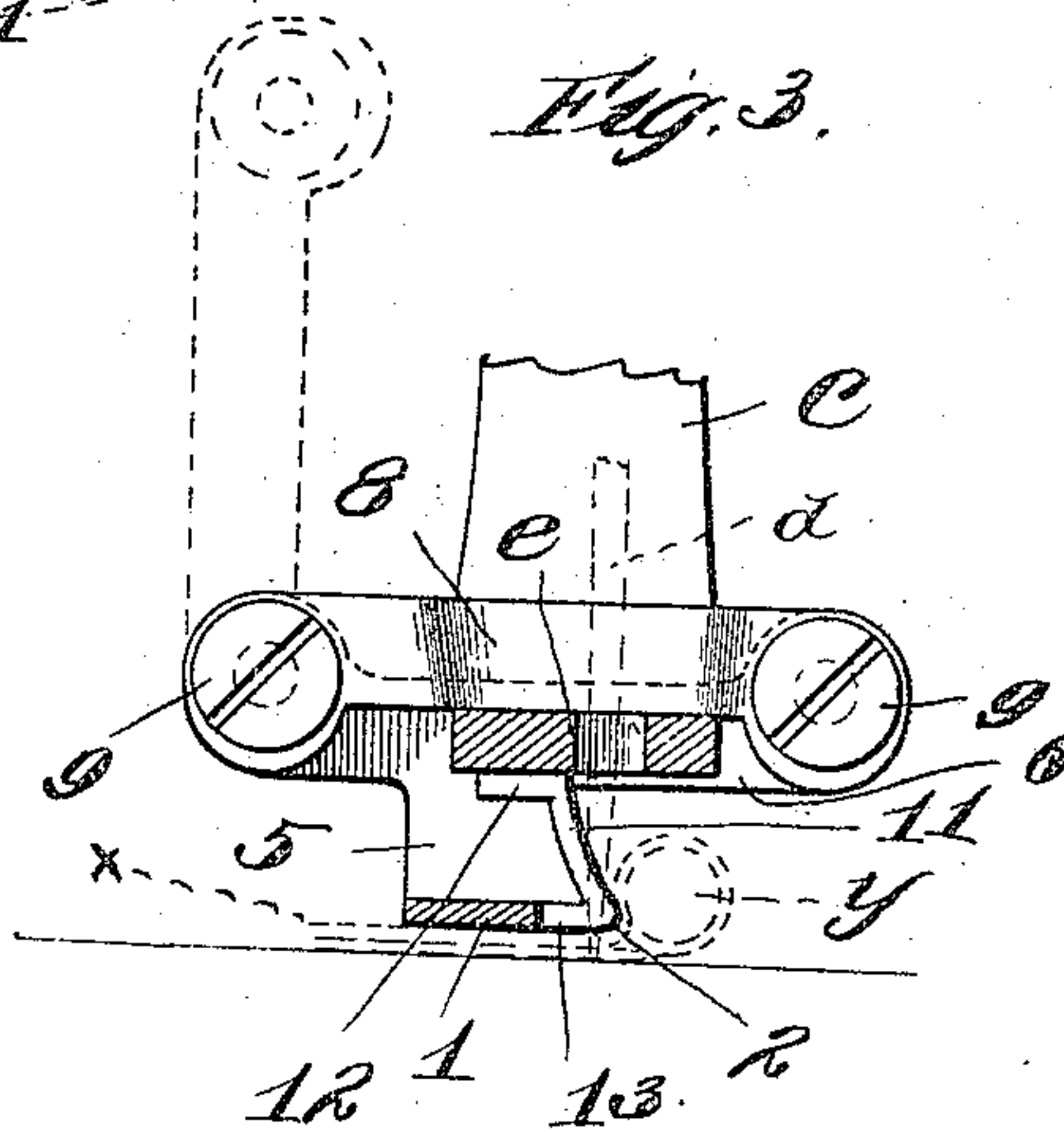


Fig. 3.



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CORDING ATTACHMENT FOR SEWING-MACHINES.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERTINE P. DAY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cording Attachments for Sewing-Machines, of which the following is a specification.

The object of this invention is the production of a device for facilitating the operation known as cording, said operation consisting in inserting a cord in a fold of cloth and securing it in place by a row of stitches through the double thickness of cloth at one side of the cord.

In the accompanying drawings Figure 1 is a perspective view, on an enlarged scale, of a cording attachment embodying the features of my invention, said cording attachment being shown in place upon the presser-foot of a sewing machine. Fig. 2 is a side elevation, partly in section, of said cording attachment. Fig. 3 is a sectional view through said attachment taken on the plane of dotted line 3 3 of Fig. 2. Fig. 4 is a fragmental top plan view of the corder.

The embodiment herein shown of my invention comprises a guide member 1 having a guide edge 2 along which the cord travels, said guide member being provided with means of attachment to the presser-foot of any of the standard sewing machines. In this instance said attaching means comprises an upwardly extending ear 3 at the forward end of the guide member 1, said ear being formed integral with said guide member and having an opening 4 therein to receive the toe *a* of the presser foot *b*. At the rear end of the guide member 1 and integral therewith is an upwardly extending ear 5 provided at its upper end with a clamp bar 6. Said clamp bar forms the fixed member of a clamp 7 for securing the guide member 1 to the shank *c* of the presser foot *b*, the other member of said clamp consisting of a clamp bar 8. The clamp bars 6 and 8 are secured together by means of two screws 9 adapted to engage threaded openings 10 in the opposite ends of the bar 6.

To space the guide member 1 away from the presser foot *b* so that there shall be sufficient room for the materials between said foot and the table of the machine, I provide a lug 11, in this instance formed integral with the guide member 1 and extending upwardly therefrom, said lug having at its

upper end a horizontal portion 12 adapted to lie in contact with the under side of the presser foot.

The needle *d* is reciprocated in the opening *e* of the presser foot and passes just inside the guide edge 2 of the guide member 1, said guide member being cut away to provide a notch 13 in said guide edge to receive said needle. The forward portion of the guide edge 2 is preferably cut away as at 2^a, and one side of the ear 5 is cut away at 5^a, in order to permit the operator to hold the cord in proper position relative to the needle as the cord is fed forward, thus causing the line of stitches to lie close to the cord. As indicated in Fig. 4, the middle portion of the guide edge 2 is somewhat in advance of, or rather projects to one side of, the end portions of said guide edge, thereby permitting the work to be turned before reaching the needle and after passing it, when making curved or angular lines of stitching. The lower ends of the ears 3 and 5 are curved, as shown in Fig. 2, to permit the result mentioned.

If desired, the corder may be provided with a finger 14 pivotally connected at one end with the ear 3 by means of a screw 15 and yieldingly pressed against the goods by a coiled spring 16 interposed between said finger and the under side of the guide 1. The object of the finger 14 is to keep the cord from slipping underneath the guide 1.

In use, the corder is attached to the presser foot *b* by inserting the toe *a* of said presser foot in the opening 4, the clamp 7 having previously been opened by swinging the clamp bar 8 upward as shown in dotted lines in Fig. 3. The clamp is then closed and the bars 6 and 8 drawn up by the screws 9 to clamp the corder firmly in place. The cloth *x* is folded over the cord *y* and fed toward the needle in the direction indicated by the arrow in Fig. 2, the cord traveling along the guide edge 2, and the needle reciprocating just inside said edge in the notch 13.

I claim as my invention.

1. In a cording attachment for sewing machines, in combination, a guide member; an ear at each end of said guide member, one of said ears being perforated to receive the toe of the presser-foot of the machine, and the other ear being provided with a clamp bar; a second clamp bar; and means for

detachably securing said clamp bars together.

2. In a cording attachment for sewing machines, in combination, a guide member; 5 means at one end of said guide member for securing it to the presser-foot of the machine; a stationary clamp bar at the opposite end of said guide member; a pivoted clamp bar; and means for securing said clamp bars to- 10 gether.

3. In a cording attachment for sewing machines, in combination, a guide member; an ear at one end of said guide member, said ear being perforated to receive a portion of 15 the presser-foot of the machine; a stationary clamp bar at the opposite end of said guide member; a pivoted clamp bar; and means for securing said clamp bars together.

4. In a cording attachment for sewing 20 machines, in combination, a guide member having a guide edge at one of its outer sides along which the cord is arranged to travel, the middle portion of said guide edge being located to one side of the end portions there- 25 of, said guide member having an upwardly-

curving ear at each end, the forward portion of said guide edge, and one side of the rear ear, being cut away.

5. In a cording attachment for sewing machines, in combination, a guide member 30 having a guide edge at one of its outer sides along which the cord is arranged to travel, and a needle notch in said edge, the rear end of said guide member being rounded, whereby the work may be turned to one side 35 shortly after passing the needle; and means for attaching said guide member to the presser-foot of the machine.

6. In a cording attachment for sewing machines, in combination, a guide member; 40 means for attaching the ends of said guide member to the under side of said presser-foot of the machine; and an upwardly-extending member on said guide member between the ends thereof adapted to space said 45 guide member from said presser-foot.

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