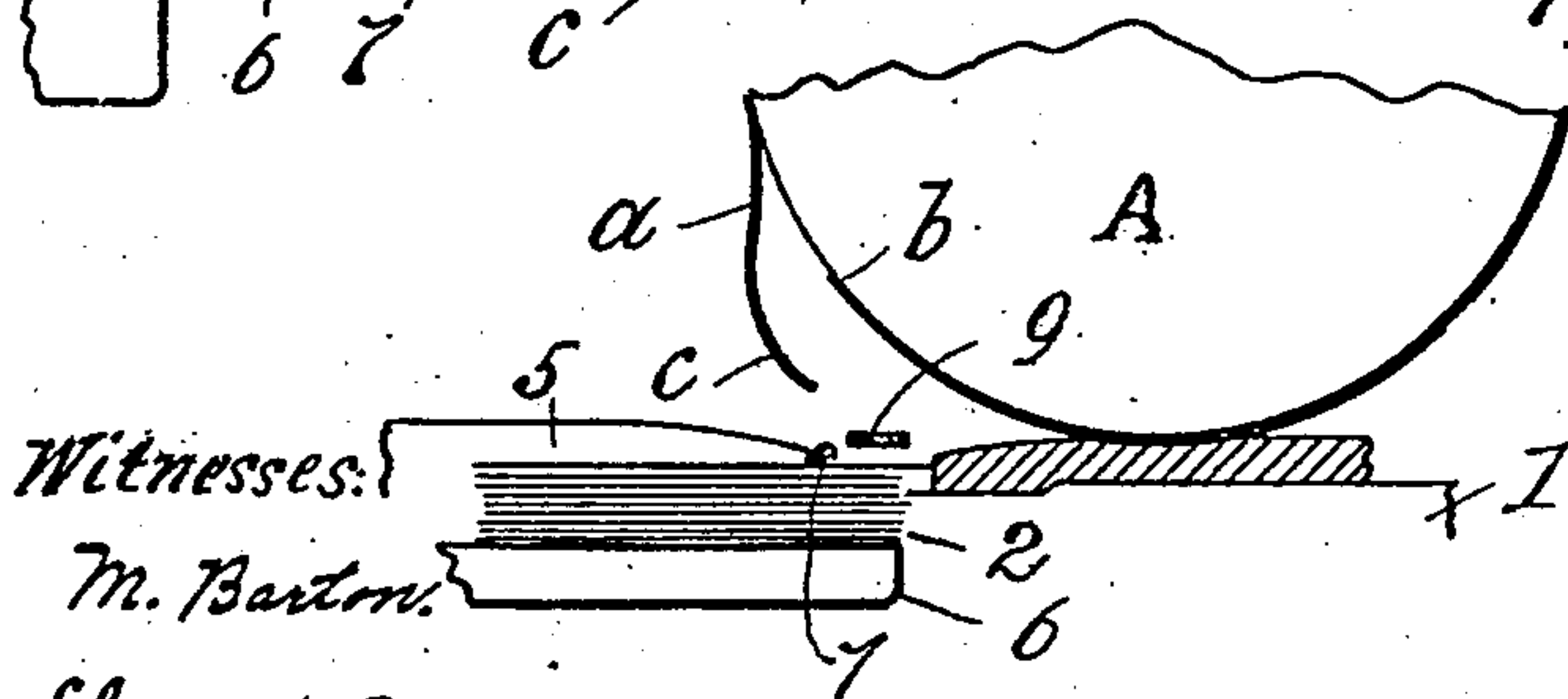
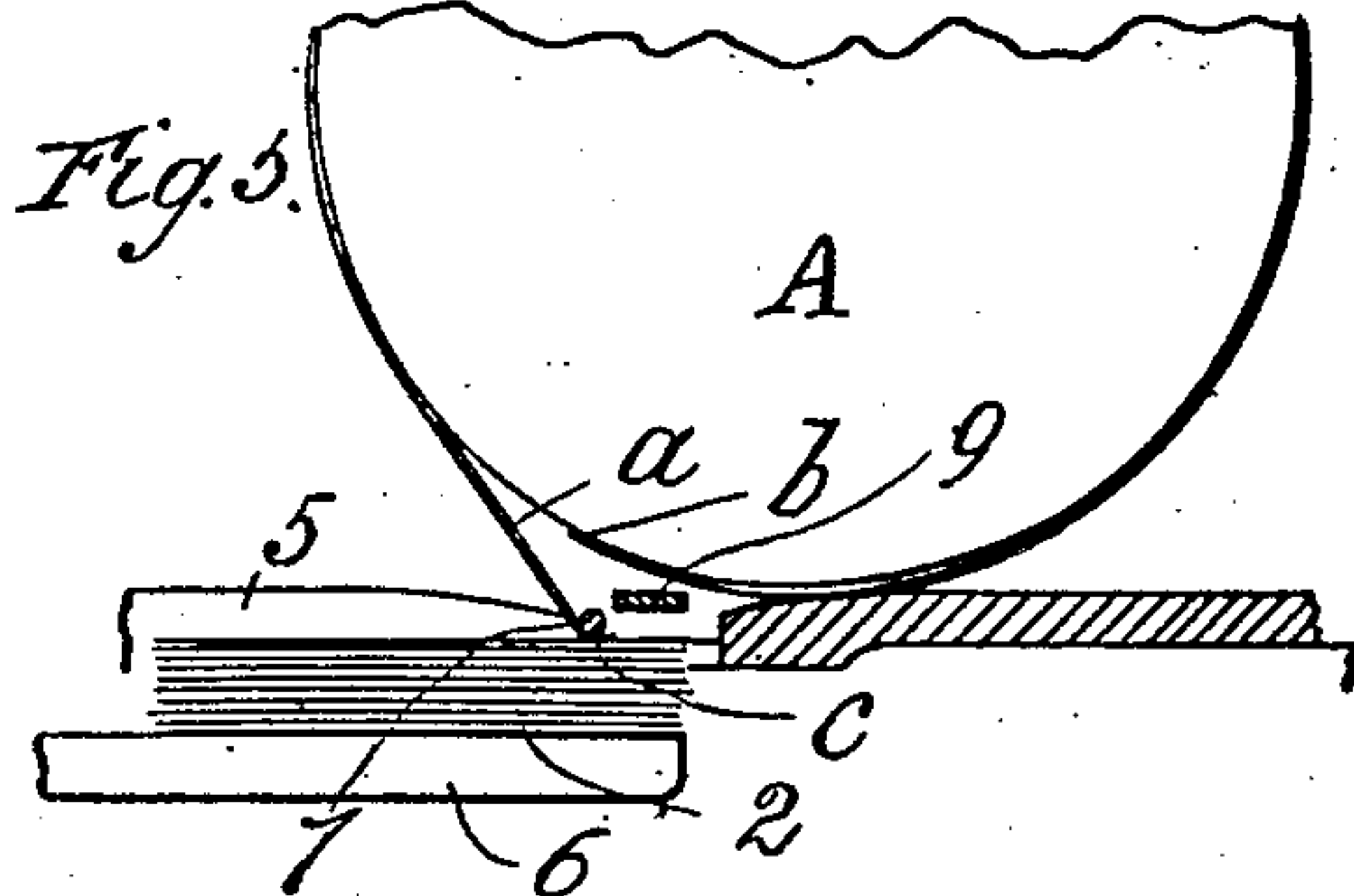
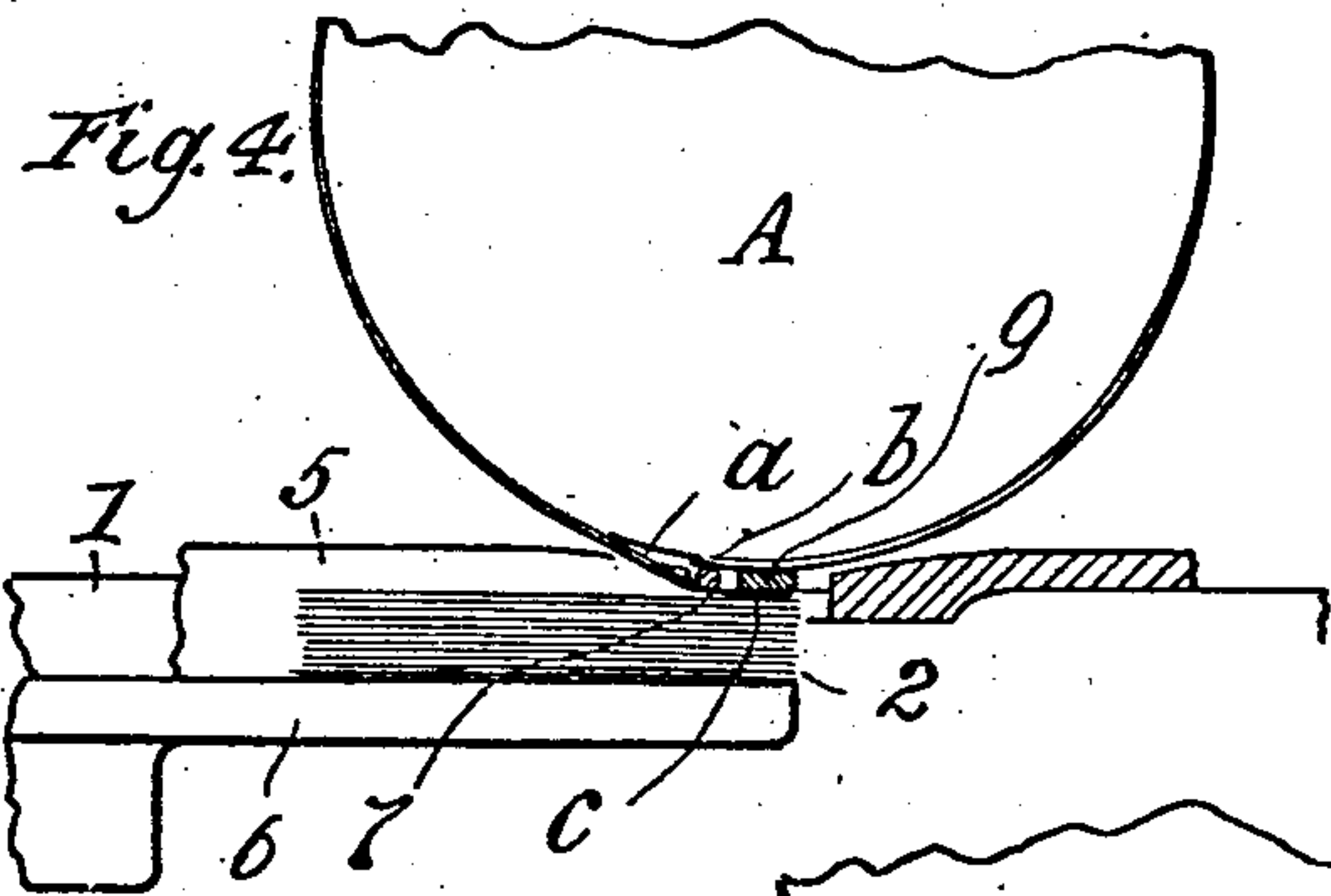
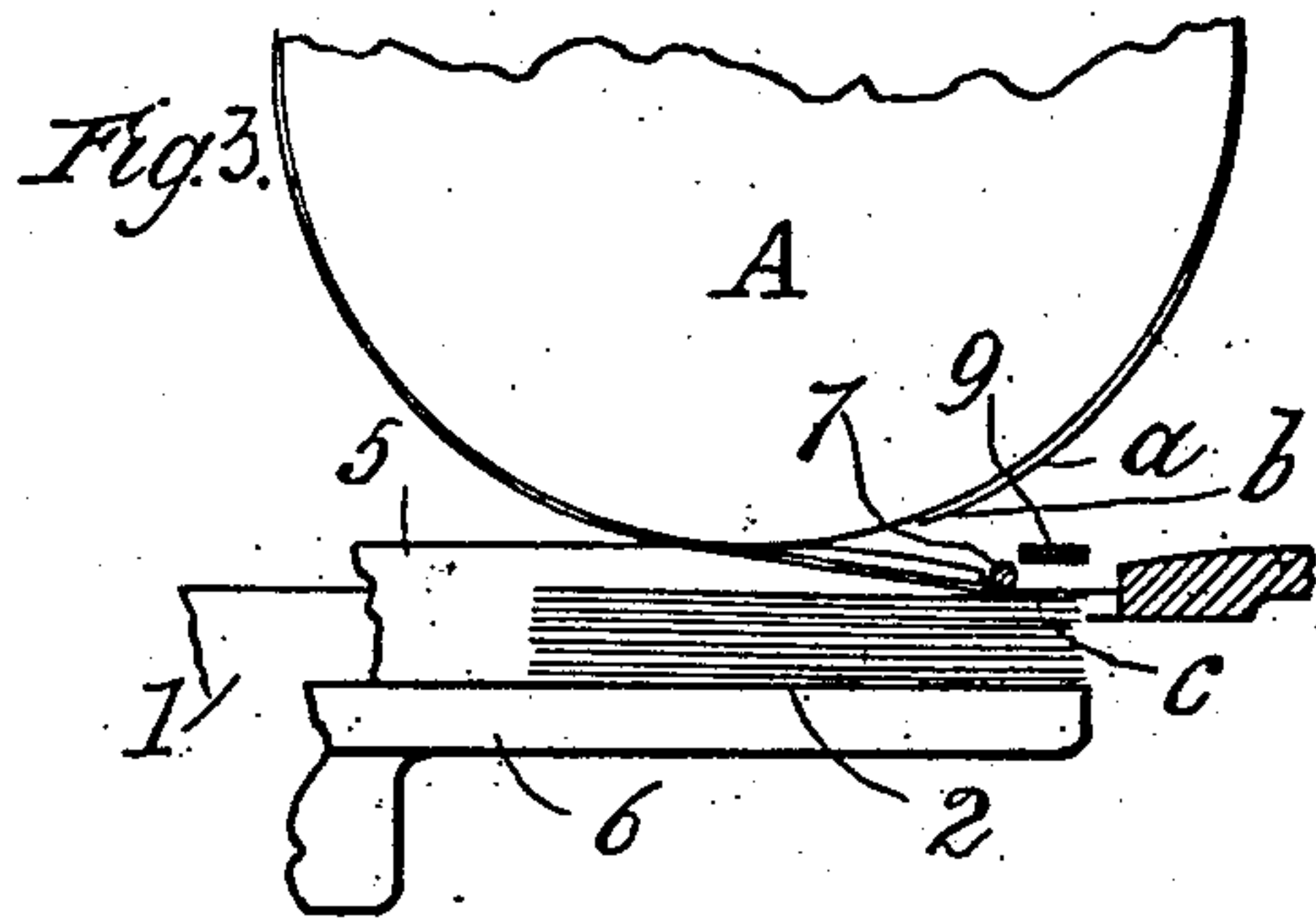
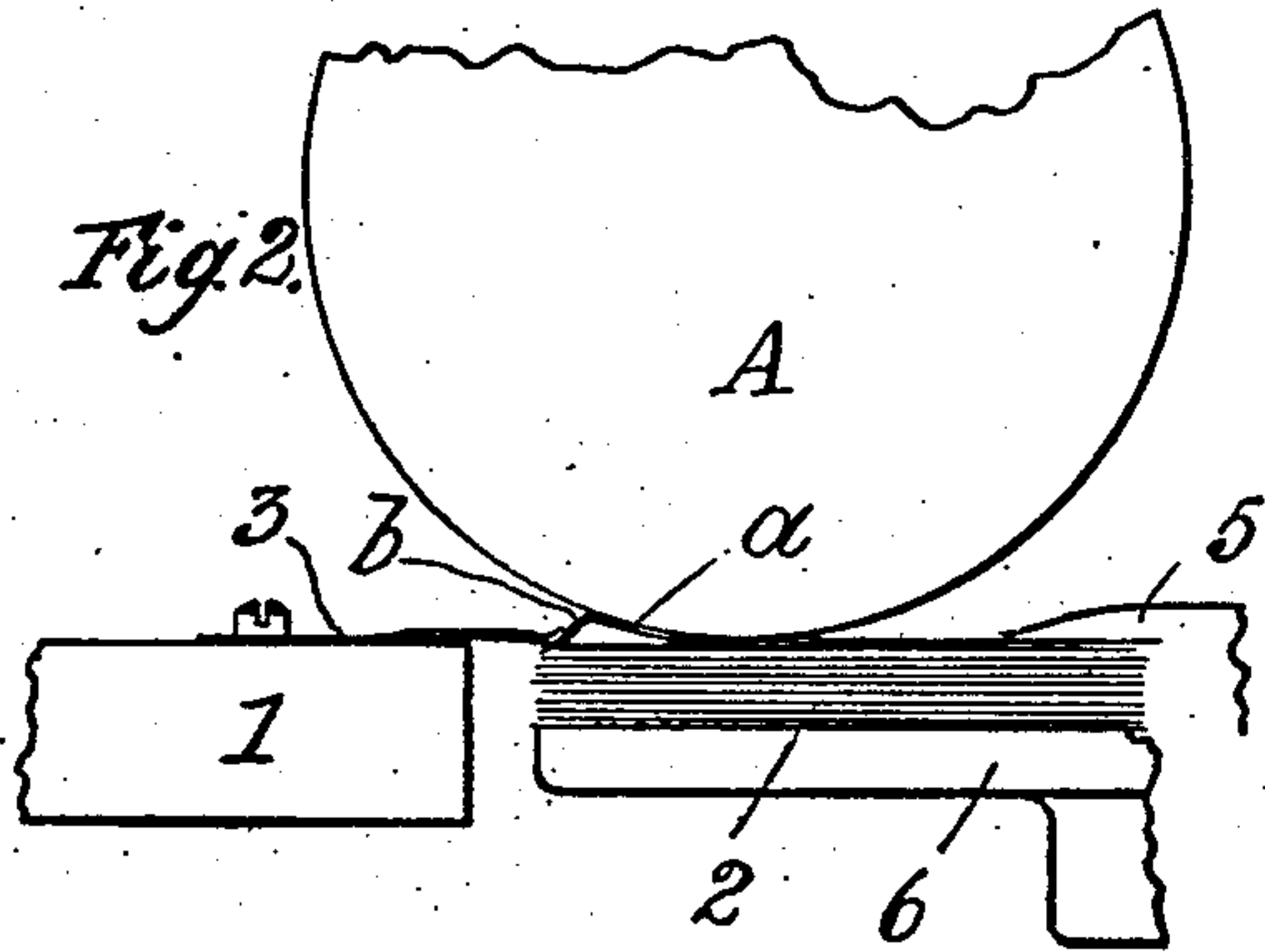
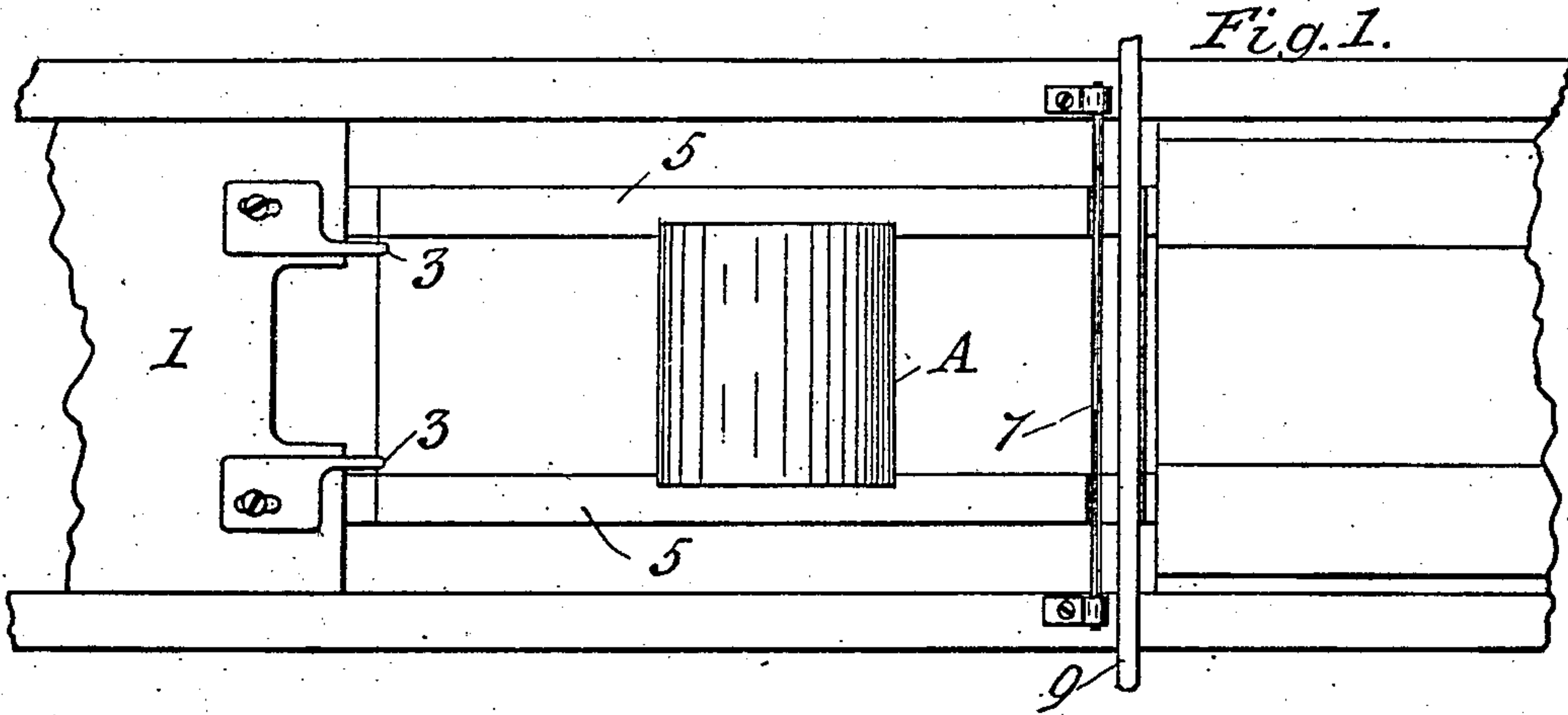


No. 861,338.

PATENTED JULY 30, 1907.

F. W. WILD, JR.,
LABELING MACHINE.
APPLICATION FILED FEB. 28, 1907.



Witnesses:

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UNITED STATES PATENT OFFICE.

FREDERICK W. WILD, JR., OF BALTIMORE, MARYLAND, ASSIGNOR TO BURT MACHINE COMPANY, A CORPORATION OF DELAWARE.

LABELING-MACHINE.

No. 861,338.

Specification of Letters Patent.

Patented July 30, 1907.

Application filed February 28, 1907. Serial No. 359,726.

To all whom it may concern:

Be it known that I, FREDERICK W. WILD, JR., of the city of Baltimore and State of Maryland, have invented certain Improvements in Labeling-Machines, of which the following is a specification.

This invention relates to certain improvements in labeling machines in which daubs of some highly tenacious adhesive, such as cement liquefied by heat, is applied to a can body and the treated can then rolled over a label which is picked up and wrapped around the can body; and in which the latter end of the label is pasted and pressed onto the forward end of the same to complete the labeling operation.

In the operation above briefly described, the latter end of the label when treated with ordinary paste which has little tenacity until comparatively dry, has a tendency to remain straight and extend tangentially from the can body; and this peculiarity is increased when stiff varnished labels are used, the varnish not being softened by the watery element of the paste.

The principal object of the present invention is to obviate the difficulty in labeling above briefly set forth; and the invention consists mainly in giving to the pasted latter end of the label immediately before its application to the can body an inward curvature approximate to that of the can body, as will hereinafter fully appear.

The invention further consists in means to separate the upper label from the stack of labels and thereby prevent the can from picking up more than one label at a time, as hereinafter described.

In the further description of the said invention which follows, reference is made to the accompanying drawing forming a part hereof, and in which,—

Figure 1 is a plan of such parts of a labeling machine as are involved in the invention, together with a can which rests on the bed of the machine. Figs. 2 to 6, inclusive, are enlarged views of a can and certain parts of the machine illustrating various positions of the can with respect to the machine during the labeling operation.

Referring now to the drawing, 1 is the bed of the machine along which the can denoted by A is rolled by devices well known and therefore not shown.

2 represents a stack of labels over which the can, after its body has received a daub of hot cement or some other strong adhesive, is rolled in the labeling operation so as to pick up the top label *a* of the stack. The forward end of the top label is denoted by *b*, and over its edge are placed the clips 3 which are fastened to the bed 1 of the machine. These clips are not intended to bear on the label, but to stand slightly above it for reasons hereinafter set forth.

5, 5 are rails forming substantially parts of the bed 1,

and 6 is the label holder. The ends of the rails 5 are practically on a level with the upper label *a*, while at the center, they are elevated so that the can will rise and in such movement lift the upper label from the stack below.

Fig. 2 shows the can soon after it has passed over the forward end *b* of the label *a*, and has lifted it from the stack, due to a limited part of the can body which comes in contact with the label having been previously treated with hot cement or some other strong adhesive matter; and it will be seen that the end *b* is caught by the clips 3. This engagement of the clips with the end *b* of the label, prevents more than one label being lifted by the can body owing to the practical shortening of the top label, and the disclosure of the label below it with which the clips would come in contact should it rise with the upper label, as will be readily understood. Fig. 3 shows the other end of the stack of labels and the adjacent parts of the machine, together with a can which is represented as approaching the latter end *c* of the upper label. 7 is a stationary wire placed transversely of the stack of labels against which the upper label is forced by the label holder 6. Between the wire 7 and the latter end *c* of the label, is situated the lower run of an endless pasting belt 9, which as the can rolls down the inclined ends of the rails 5, is pressed by the can into contact with the top label, as shown in Fig. 4.

In Fig. 5 the can is shown as having left the rails 5 and passed to the main portion of the bed 1, and during this movement the label is stretched, its latter end being held down by the wire 7. As the can advances, the pasted end of the label is drawn from under the wire 7, and in view of the small diameter of the wire, the label is curved as shown in Fig. 6, which curvature adapts the pasted latter end of the label for attachment to the forward end of the label already fastened to the can, as the can is subsequently rolled over the bed of the machine towards the discharge end thereof.

I claim as my invention:—

1. In a labeling machine, a bed along which a can having the forward end of the label attached thereto is rolled, combined with a fixed device which bears on the latter end of the label and from under which the label is drawn by the can to give to the latter end of the label an inward curve during the rolling of the can, substantially as specified.

2. In a labeling machine, a bed along which a can having the forward end of the label attached thereto is rolled, and devices to apply an adhesive to the latter end of the label, combined with a fixed device which bears on the latter end of the label and from under which the label is drawn by the can to give to the latter end of the label an inward curve during the rolling of the can, substantially as and for the purpose specified.

3. In a labeling machine, a bed along which a can having the forward end of a label attached thereto may be

rolled, and devices to apply an adhesive to the latter end of the said label, combined with a fixed wire placed transversely of the label and bearing thereon from under which the latter end of the label is drawn by the rolling can, 5 whereby the said end of the label is given a curvature, substantially as, and for the purpose specified.

4. In a labeling machine, a bed along which a can may be rolled, means to hold a stack of labels in the path of the rolling cans, combined with clips attached to the bed with

their ends overlapping the upper label of the stack and out 10 of contact therewith, whereby the upper label is prevented from carrying with it the label beneath, substantially as specified.

FREDERICK W. WILD, JR.

Witnesses:

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WM. T. HOWARD.