M. H. MANN.

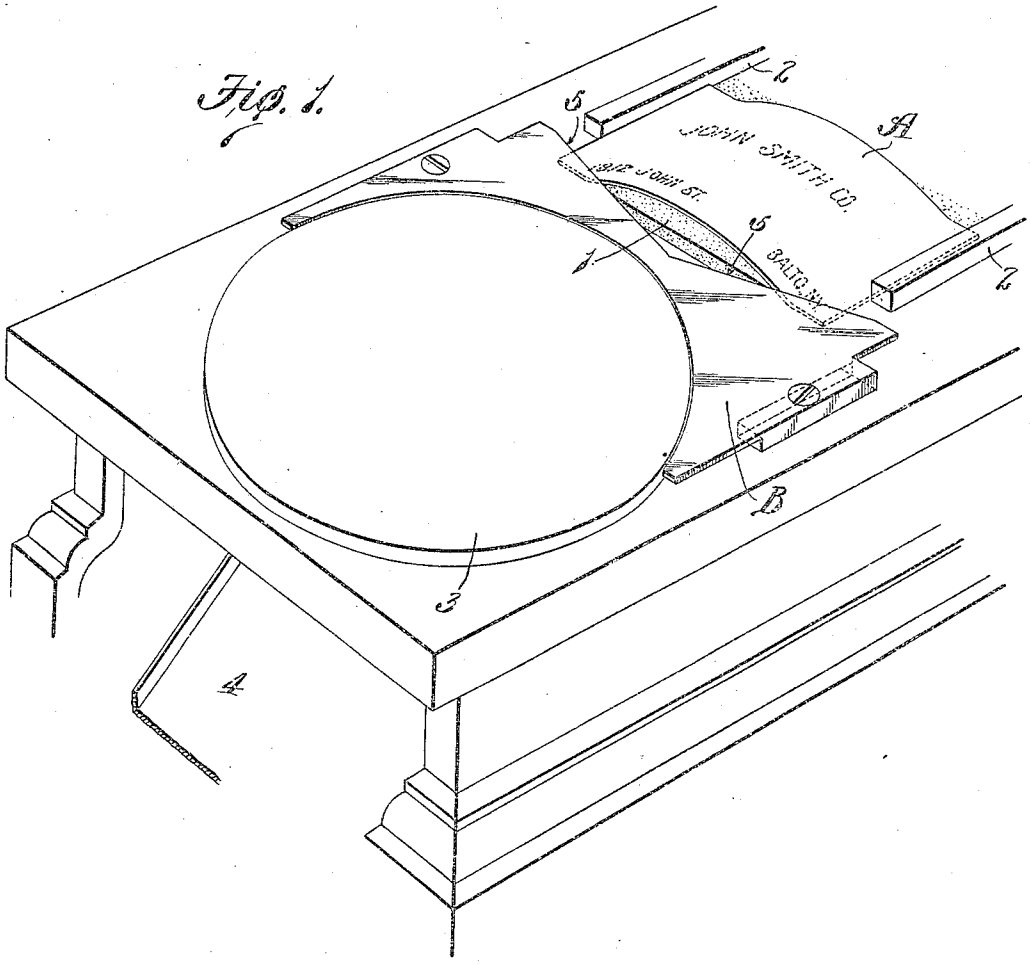
CARD PRINTING MACHINE.

APPLICATION FILED OCT. 20, 1909.

957,229.

Patented May 10, 1910.

Fig. 1.



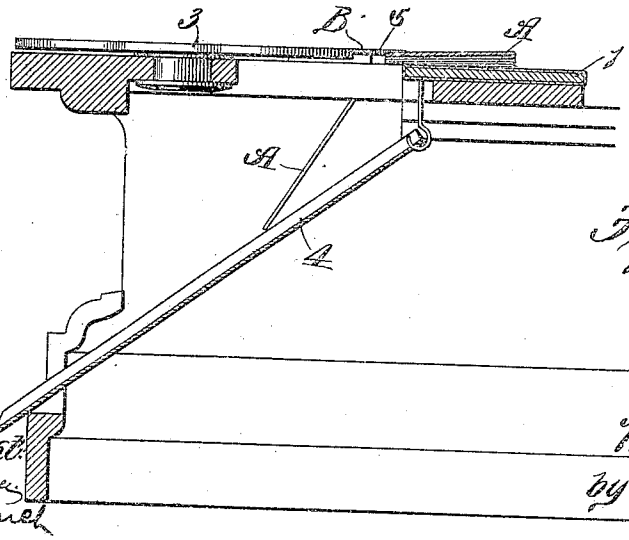


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

MILES H. MANN, OF LOUISIANA, MISSOURI, ASSIGNOR TO BUFFUM TOOL COMPANY, OF LOUISIANA, MISSOURI, A CORPORATION OF MISSOURI.

CARD-PRINTING MACHINE.

957,229. Specification of Letters Patent. Patented May 10, 1910.

Application filed October 20, 1909. Serial No. 523,612.

To all whom it may concern:

Be it known that I, MILES H. MANN, a citizen of the United States, residing at Louisiana, Missouri, have invented a certain new and useful Improvement in Card-Printing Machines, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to printing machines, and particularly to machines that are used for printing cards and labels, such, for example, as the machine shown in my prior U. S. Patent No. 896,062, dated August 11, 1908.

The machine illustrated in my prior patent above referred to is provided with guides between which the cards or labels pass as they are being fed over the platen, and an inking plate is arranged at the rear of the platen to supply ink to the rollers which ink the printing type of the machine. A guide plate is arranged between the platen and the inking plate so as to deflect the cards downwardly into a chute after they have been printed but if the cards are a trifle too long, so that they buckle upwardly, said guide plate fails to perform the function for which it is intended owing to the fact that it has a straight front edge against which a buckled card strikes.

One object of my present invention is to provide means for straightening out a buckled card while it is passing through the machine. And another object is to provide means for straightening out a buckled card and deflecting it downwardly into the discharge chute of the machine.

In the preferred form of my invention as herein shown the usual guide plate which is arranged in front of the inking plate is provided with means for straightening out a card which buckles upwardly but it will, of course, be obvious that the means which straightens out the cards could be separate and distinct from the guide plate.

Figure 1 of the drawings is a perspective view of a portion of a printing machine provided with my improved guide plate; and Fig. 2 is a vertical sectional view of the parts shown in Fig. 1.

Referring to the drawings which illustrate the preferred form of my invention, 1 designates the platen of the machine, and 2 designates the side guides between which the cards A pass as they are being fed over the platen. The inking plate 3 is arranged at the rear of the platen and my improved guide plate B is arranged between said inking plate and platen so as to deflect the cards downwardly into the discharge chute 4 after they leave the platen. The front edge of the guide plate B is approximately V-shaped or provided with oppositely inclined surfaces 5, as shown in Fig. 1, and when a card that buckles upwardly approaches said guide plate, the oppositely inclined surfaces on the front edge of the plate will cause the card to straighten out and thus pass under the plate and down into the discharge chute. It will, of course, be obvious that the front edge of the guide plate could be formed in various other ways and accomplish the same result so that I do not wish it to be understood that my broad idea is limited to a guide plate provided with an approximately V-shaped front edge. Neither do I wish to be understood as limiting my broad idea to a "guide plate" for a device or pair of devices separate and distinct from the guide plate could be arranged in front of the inking plate and accomplish the same results.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a machine for printing cards and other articles, guides between which the cards travel, a discharge chute for receiving the cards, and means extending transversely of the machine for straightening out a buckled card and deflecting it downwardly into said discharge chute.

2. In a machine for printing cards and other articles, guides between which the cards travel, an inking plate arranged adjacent one end of said guides, and means arranged intermediate said guides and inking plate for straightening out a card that is buckled intermediate its ends.

3. In a machine for printing cards and other articles, guides between which the cards pass, an inking plate, a discharge chute, and means arranged between said guides and inking plate for straightening out a buckled card and deflecting it downwardly into said chute.

4. A card-printing machine provided with a guideway through which the cards travel, and oppositely inclined surfaces arranged

adjacent one end of said guideway for straightening out a card which buckles intermediate its ends.

5. In a machine for printing cards and similar articles, a guide plate arranged in the path in which the cards travel and provided with oppositely inclined surfaces which are adapted to be engaged by a card that is buckled intermediate its ends and thus cause said card to straighten out.

6. A card-printing machine having a guide plate that extends transversely of the machine and under which the cards travel, said plate being provided with an irregular-shaped front edge that causes a buckled card to straighten out as it passes under said plate.

7. A card-printing machine having a guide plate under which the cards travel, said plate being provided with an approximately V-shaped front edge that causes a buckled card to straighten out as it passes under said plate.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 16th day of Oct., 1909.

MILES H. MANN.

Witnesses:

BEULAH MCALISTER,

EUGENE PEARSON.