

(No Model.)

C. REUSSENZEHN.
PRINTING PRESS HAND PROTECTOR.

No. 411,258.

Patented Sept. 17, 1889.

Fig. I

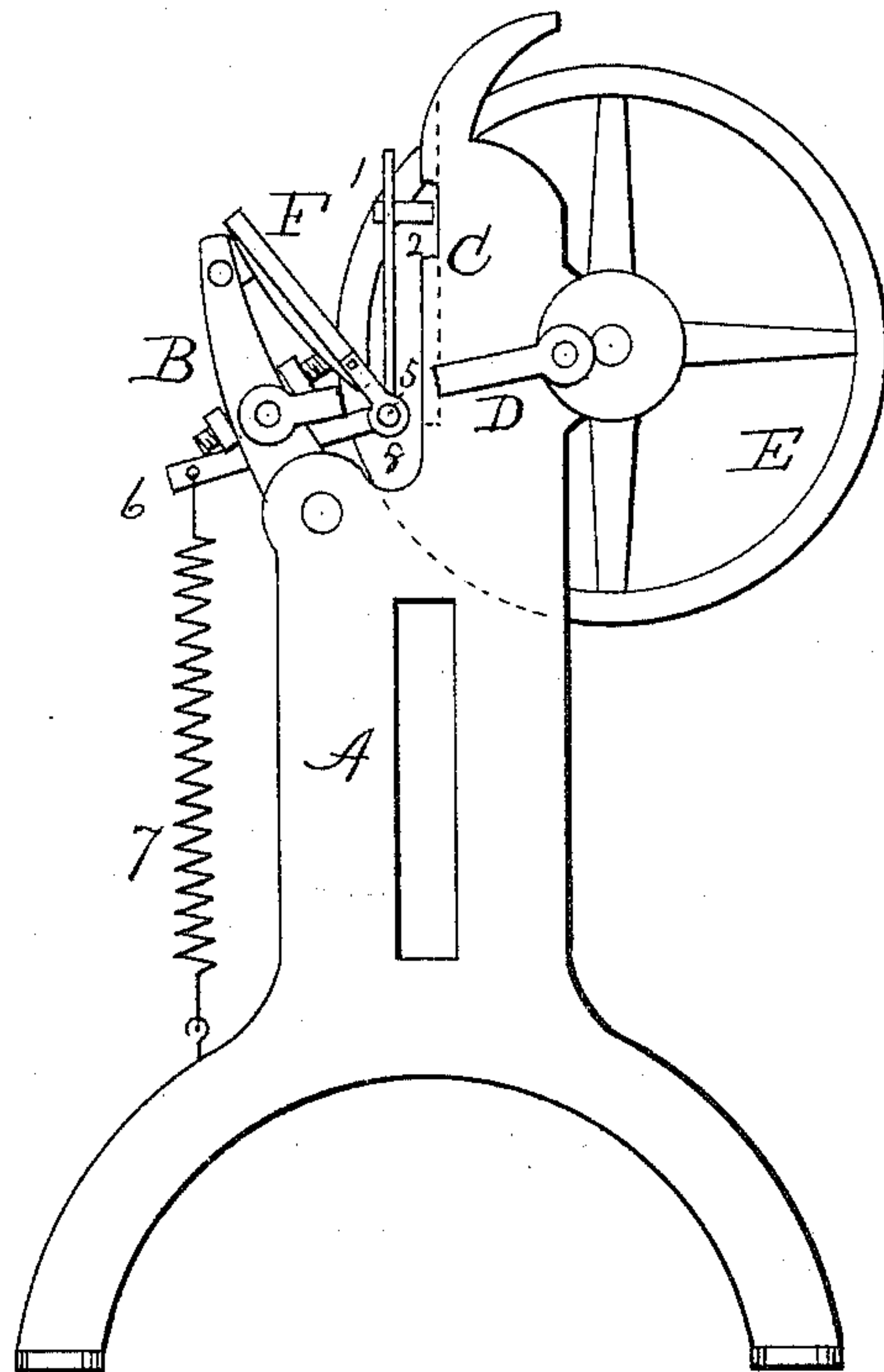
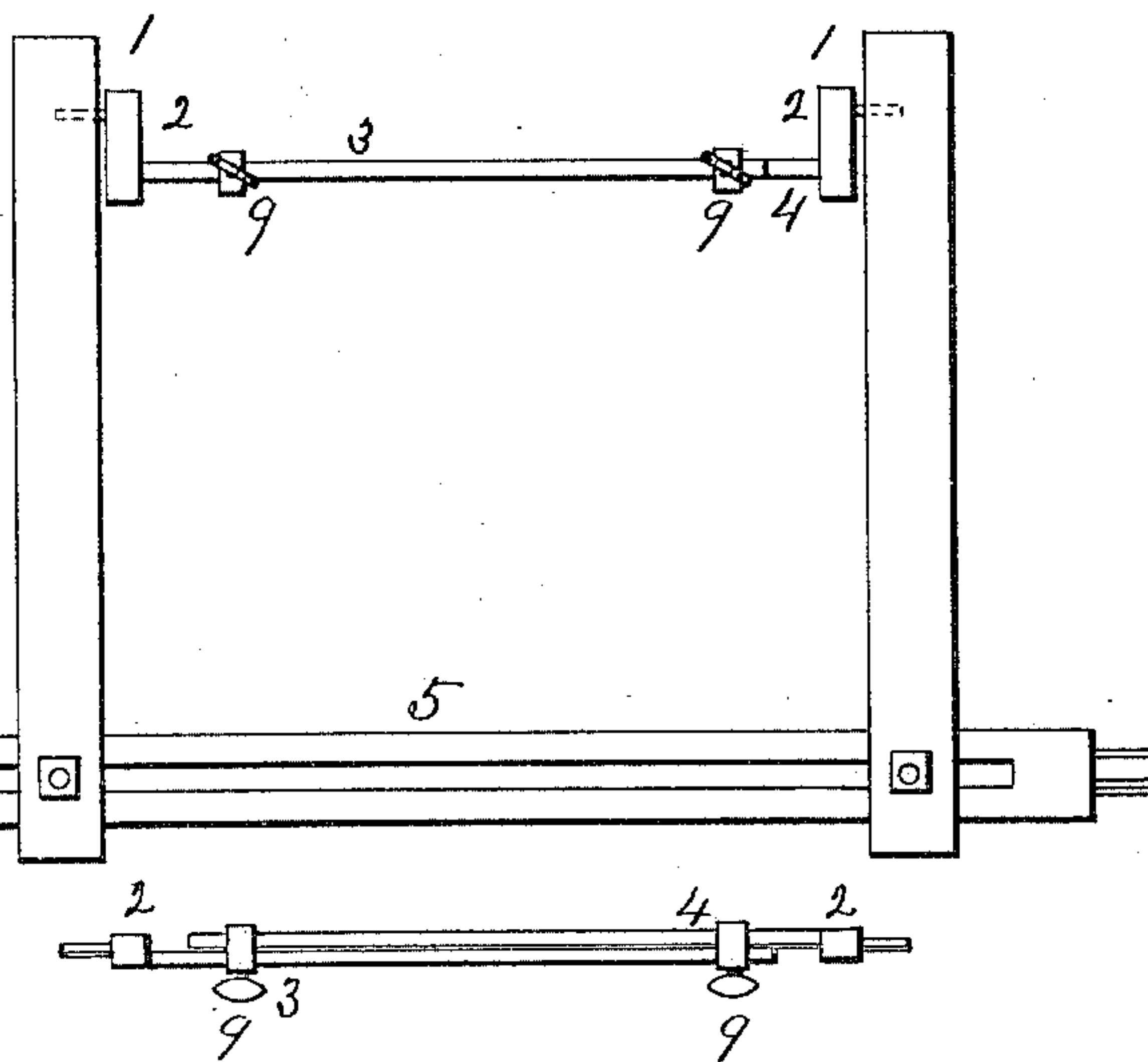


Fig. II



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES REUSSENZEHN, OF DAYTON, OHIO.

PRINTING-PRESS HAND-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 411,258, dated September 17, 1889.

Application filed May 10, 1889. Serial No. 310,359. (No model.)

To all whom it may concern:

Be it known that I, CHARLES REUSSENZEHN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented a certain new and useful Improvement in Printing-Press Hand-Protectors; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in a printing-press hand-protector, the several features of which will be fully hereinafter set forth.

My invention is for the purpose of protecting the hand of the person who feeds the press; and the object I accomplish by a device supported on pivots in the frisket-fingers.

The mechanism is illustrated in the accompanying drawings, in which—

Figure I is a side elevation of a small printing-press with some of the parts omitted and with the hand-protecting device attached to the frisket-fingers. Fig. II is an enlarged view of the mounted frisket-fingers with the hand-protector attached. Fig. III is a top view of the hand-protector.

Like letters designate like parts throughout the several views.

In the drawings is shown so much of a small printing-press as will clearly illustrate the relation of my improvement to the same. The inking-rollers are entirely omitted and other parts are broken to make the illustration clear.

A is the frame, and near the top to the left is mounted the shaft which supports the arms B, one on each side. To these arms are rigidly attached the platen F. To the ends of this platen, at the lower corners, are attached the pivotal plates 8, which form the bearings for the slotted shaft 5. (See Fig. II.) To this shaft are attached by bolts the frisket-fingers

1 as the same is usually done. To the left end of this shaft is attached the arm 6, and to the end of which is connected the spiral spring 7, the lower end of which being connected to the frame and the use of which is to raise the frisket-fingers from the bed after the impression is made. The power is applied to the shaft of the balance-wheel E, and on the circular plates outside of the frame are attached wrist-pins, and the arms D, broken in the illustration, connect the wrist-pins and the arms B, and thus is communicated motion to the platen.

The descriptive matter thus far embraces only that which is well-known.

My invention consists of plates 2 2, connected to the lateral arms 3 and 4, respectively, and are held together by the sleeves 9, with thumb-screws to bind them in position. Pivots in the upper ends of these plates have bearings in the upper ends of the frisket-fingers 1 1, and their normal position is vertical, being determined by their gravity. Now, it must be apparent that if an object carried forward by the platen would come in contact with the lateral arms and thereby carry the plates to a horizontal position, as shown at 2, Fig. I, and thereby arrest the movement of the platen toward the form or the bed, that thus the hand of an operator may be saved from being crushed.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a printing-press, the frisket-fingers having pivoted thereto plates 2 2, with their respective arms 3 and 4 in combination with the platen and bed of said printing-press, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES REUSSENZEHN.

Witnesses:

B. PICKERING,
CHAS. A. WALTMIRE.