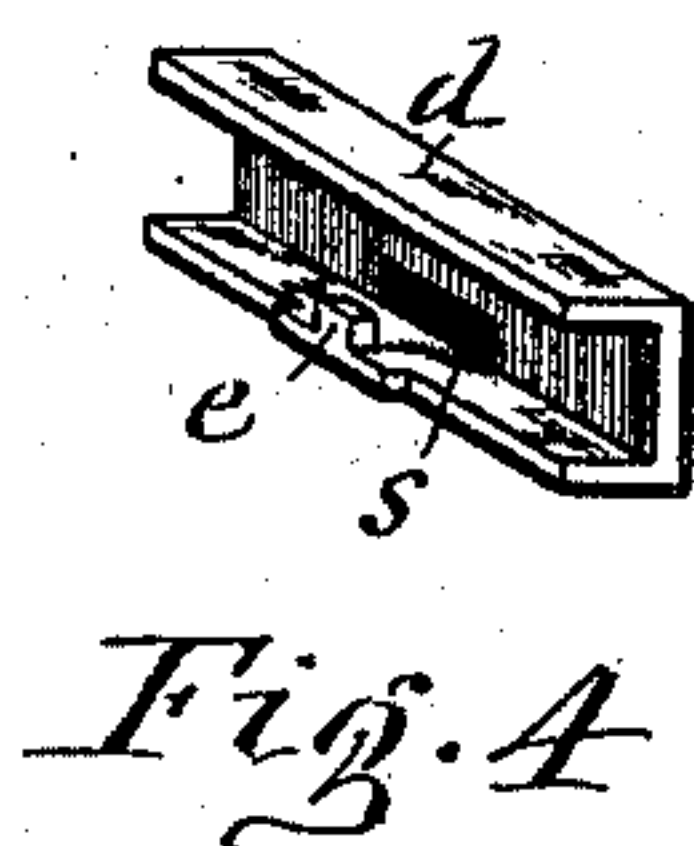
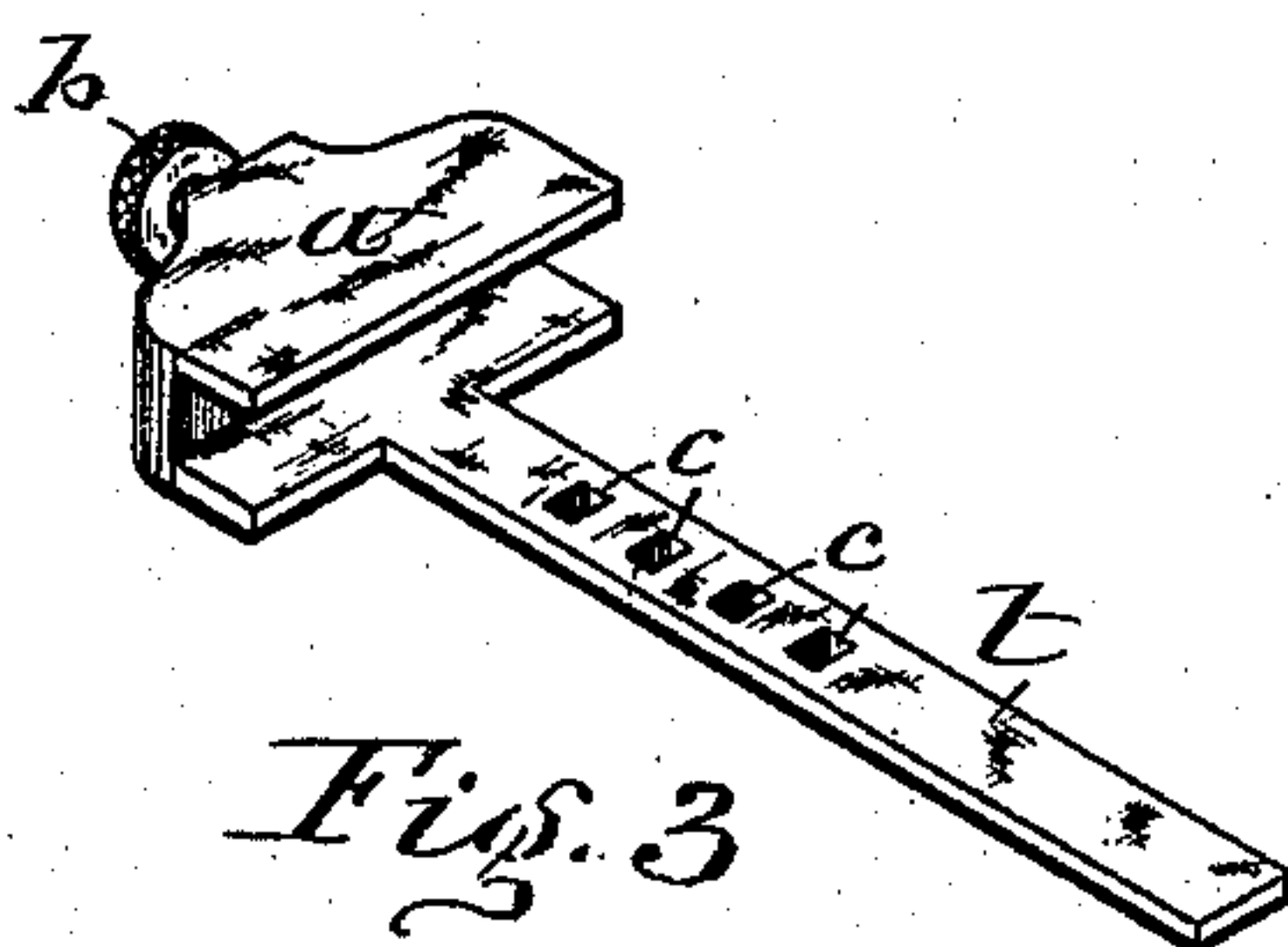
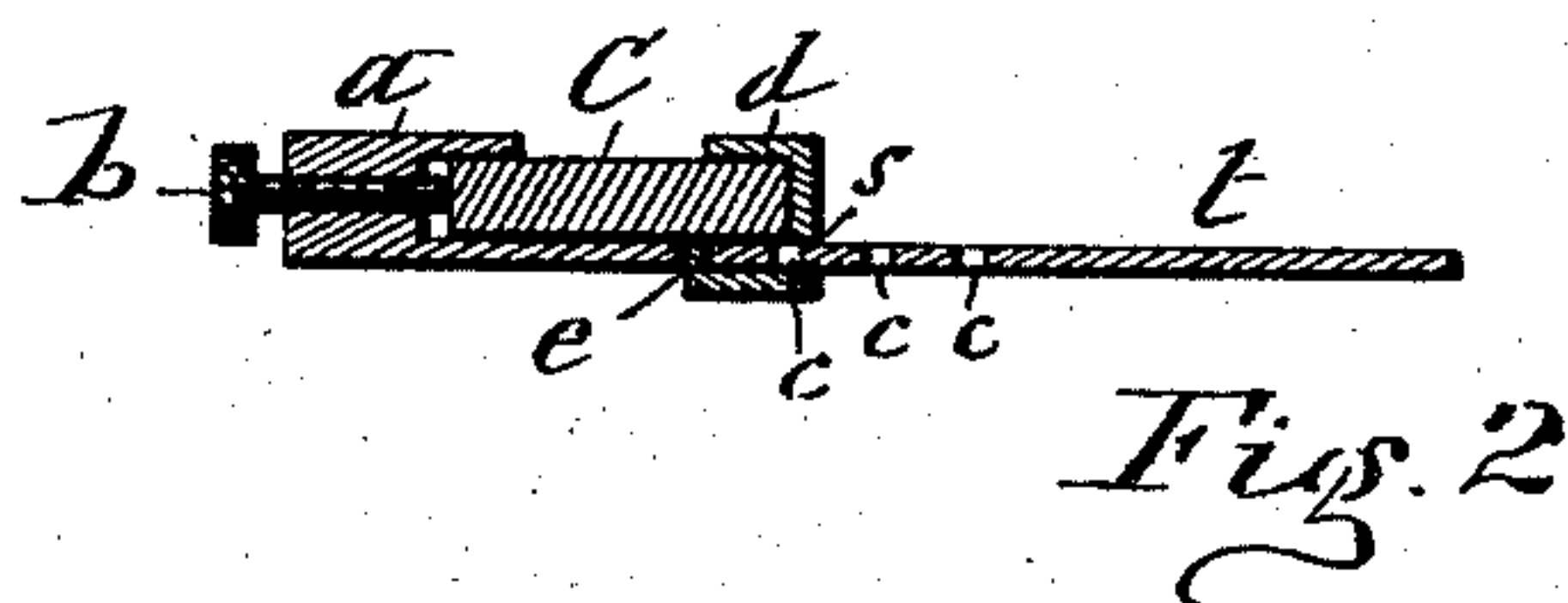
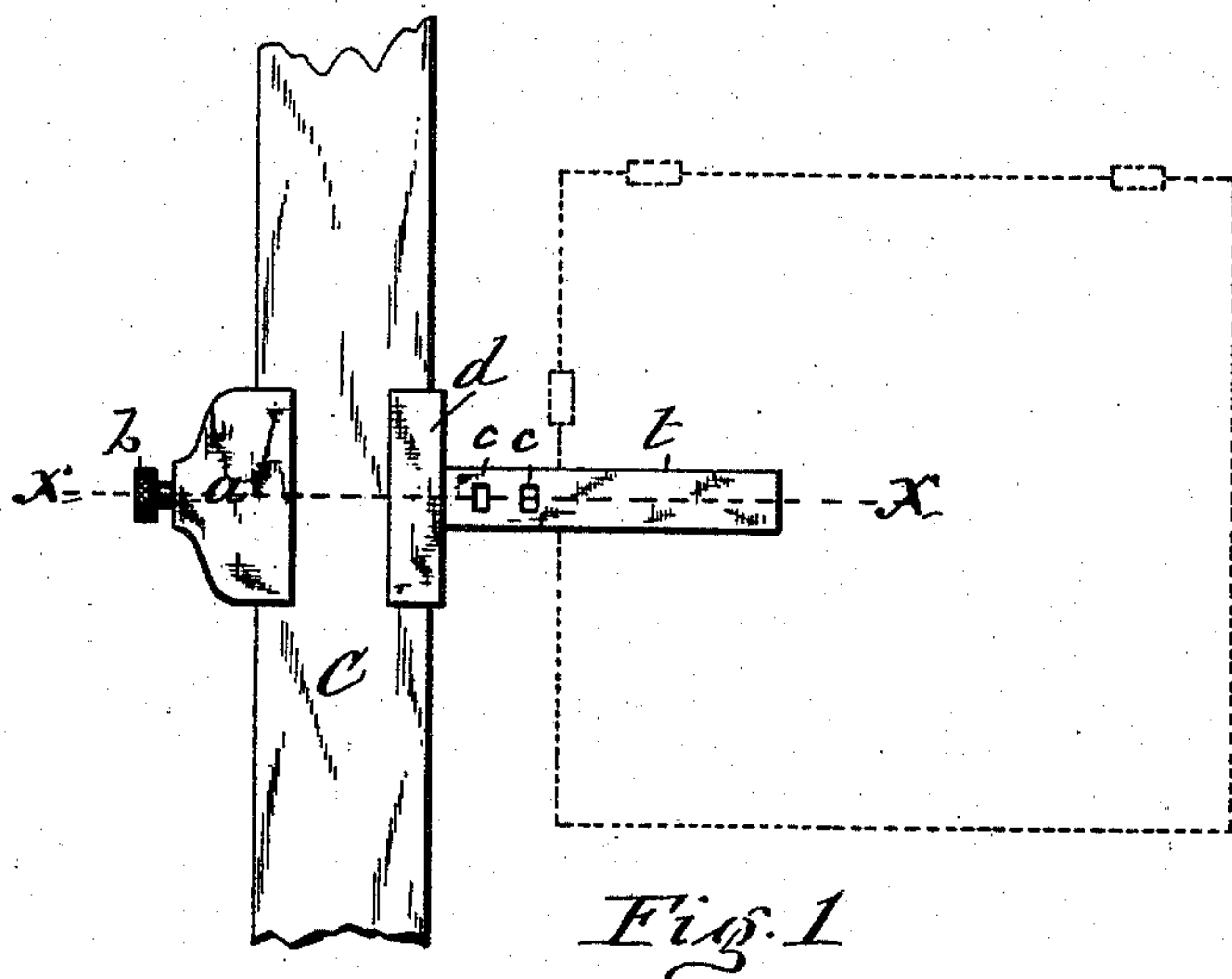


(No Model.)

A. DE VOS.
GRIPPER FOR PRINTING PRESSES.

No. 470,637.

Patented Mar. 8, 1892.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ARIE DE VOS, OF DES MOINES, IOWA, ASSIGNOR TO THE DEXTER FOLDER COMPANY, OF FULTON, NEW YORK.

GRIPPER FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 470,637, dated March 8, 1892.

Application filed August 1, 1891. Serial No. 401,384. (No model.)

To all whom it may concern:

Be it known that I, ARIE DE VOS, of Des Moines, in the county of Polk, in the State of Iowa, have invented new and useful Improvements in Grippers for Printing-Presses, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of grippers which are employed on job-printing presses for the purpose of withdrawing the printed paper from the type in process of receding from said paper. Said gripper usually consists of a bar or finger hinged to the press and arranged to fall automatically upon a portion of the paper after the same has received the impression of the type and while the latter recedes from the paper. In practice it is found that said grippers frequently fail to exert the requisite bearing on the paper, and to obviate such defect various devices have been resorted to, such as cords, wires, paper, and other materials attached to the gripper.

The object of this invention is to provide more convenient and more efficient means for obviating the aforesaid defect; and to that end the invention consists in a novel construction of an auxiliary gripper attached to the ordinary gripping-finger, as hereinafter fully described, and specifically set forth in the claim.

In the annexed drawings, Figure 1 is a plan view of my improved gripper in position for holding the paper on the platen. Fig. 2 is a longitudinal section on line *x x*, Fig. 1; and Figs. 3 and 4 are detached perspective views of the component parts of the auxiliary gripper.

Similar letters of reference indicate corresponding parts.

C denotes the usual gripping-finger hereinbefore referred to.

a represents one of the members of my improved auxiliary gripper, which member consists of a jaw adapted to engage one of the longitudinal edges of the finger C and formed with a tongue *t*, which extends across the un-

der side of the finger C and some distance beyond the opposite edge thereof and is provided with a plurality of perforations *c c*.

Transversely through the vertical wall or back of the jaw *a* extends a screw-threaded eye, in which works a set-screw *b*. The other member of the auxiliary gripper consists of a jaw *d*, adapted to engage the edge of the finger C opposite the jaw *a* and provided with a slot *s*, through which the tongue *t* passes. The bottom plate or flange of the jaw *d* is formed with an upwardly-projecting lug or tooth *e*, which enters into one of the perforations *c*.

In applying the described auxiliary gripper to the gripping-finger C the tongue *t* is slipped undersaid finger and the jaw *a* pushed against the edge of the finger C. Then the jaw *d* is pushed as near as possible to the opposite edge of the aforesaid finger and the lug *e* entered into the nearest perforation *c*, and then by turning the set-screw *b*, so as to cause it to firmly bear on the adjacent edge of the finger C, the auxiliary gripper is firmly clamped on said finger.

It will be observed that the described auxiliary gripper is easily applied to gripping-fingers of different widths and is readily shifted lengthwise on the gripping-finger to bring it into its requisite position for engaging the paper.

What I claim is—

In combination with the finger C, the jaw *a*, formed with the tongue *t*, provided with perforations *c c*, the set-screw *b*, passing through the vertical wall of said jaw, and the jaw *d*, provided with the slot *s* for the reception of the tongue *t* and with the lug *e* for engaging the perforations of said tongue, substantially as described and shown.

In testimony whereof I have hereunto signed my name this 25th day of June, 1891.

ARIE DE VOS. [L. S.]

Witnesses:

N. C. TOWNE,
T. M. WALKER.