

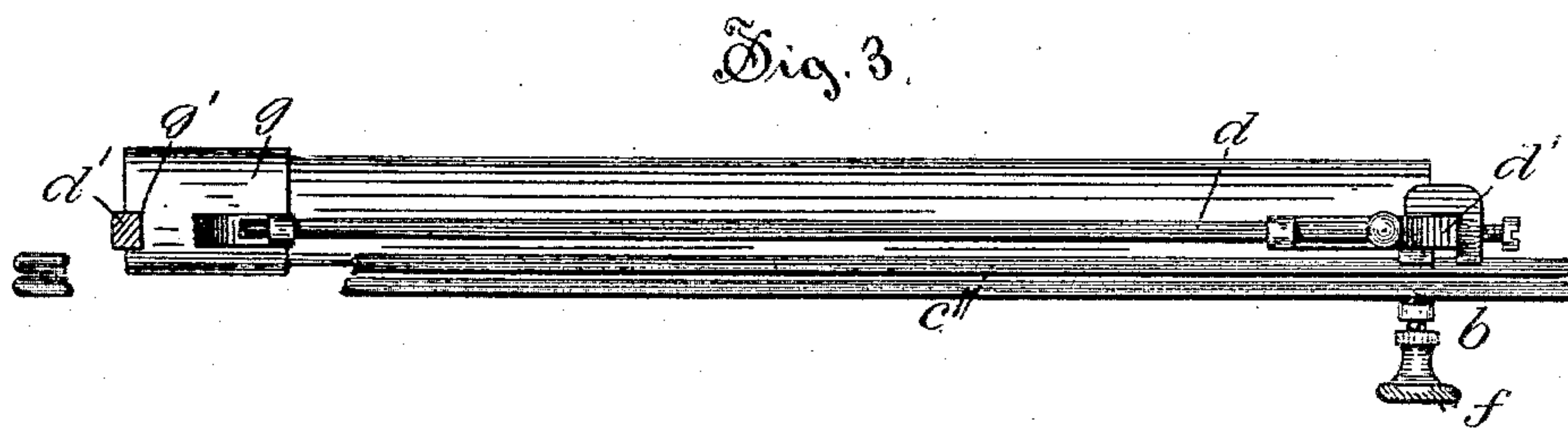
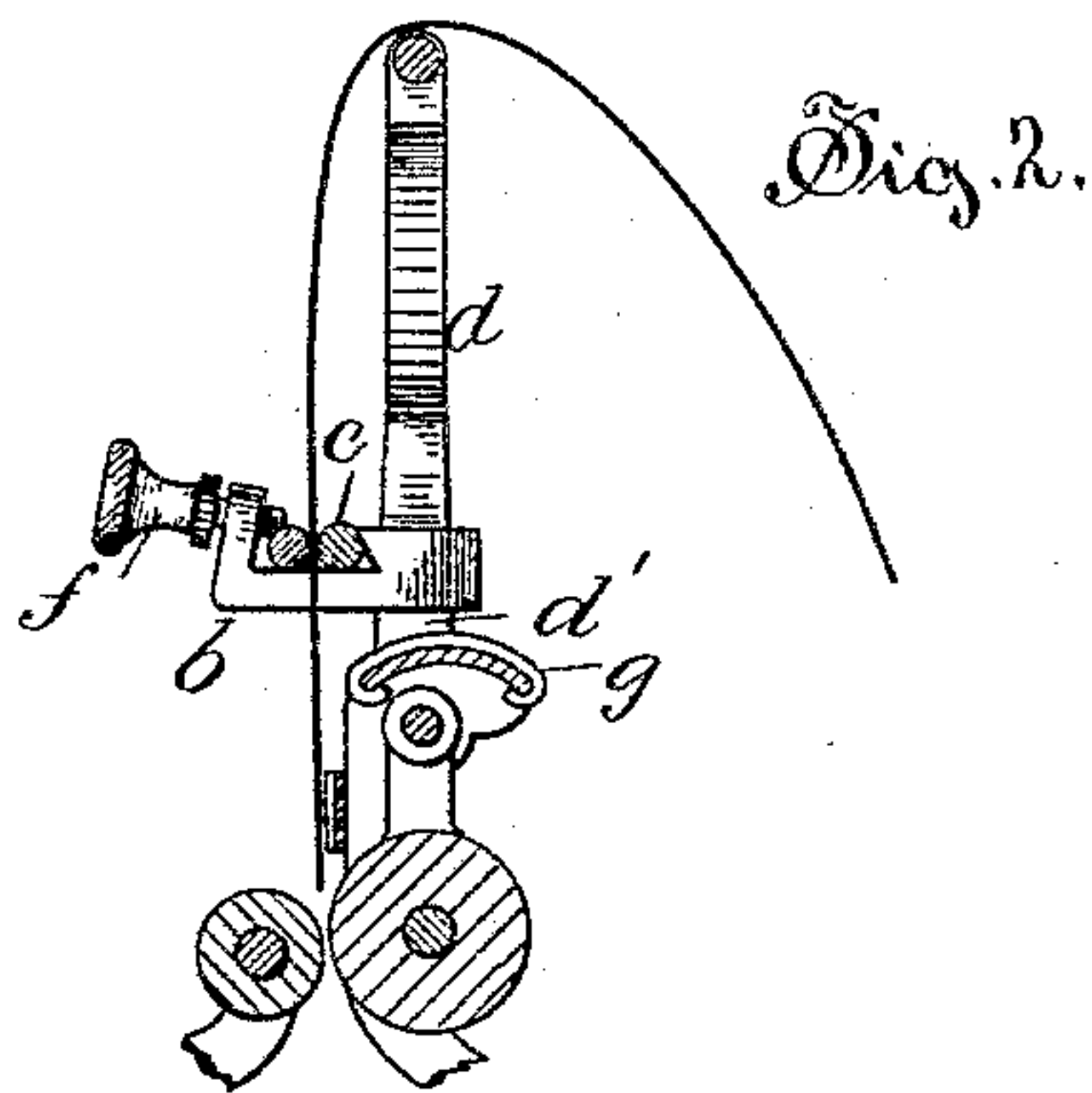
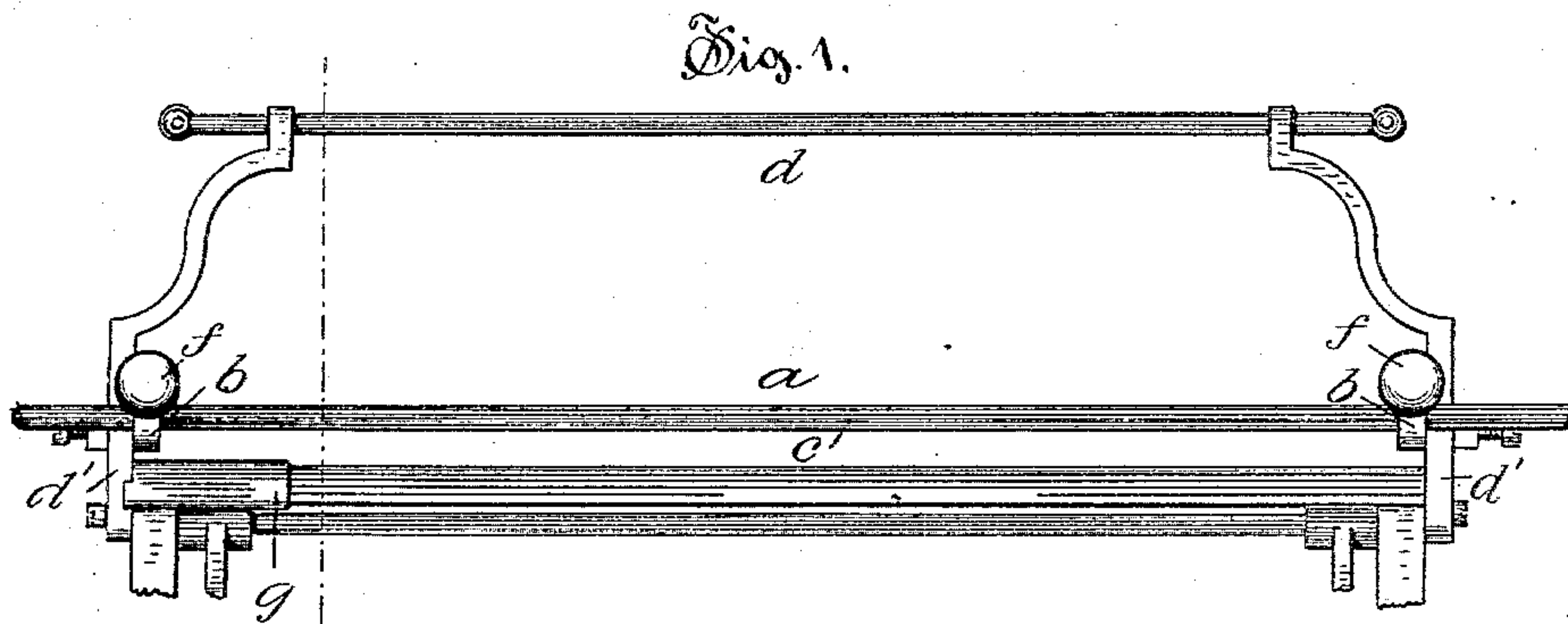
(No Model.)

C. W. THAYER.

ATTACHMENT FOR TYPE WRITING MACHINES.

No. 387,752.

Patented Aug. 14, 1888.



Witnesses:

H. R. Williams.

O. B. Jenkins.

Inventor,

Charles W. Thayer,

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Attys

UNITED STATES PATENT OFFICE.

CHARLES W. THAYER, OF COLLINSVILLE, CONNECTICUT, ASSIGNOR OF ONE-HALF TO FRANK H. THAYER, OF SAME PLACE.

ATTACHMENT FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 387,752, dated August 14, 1888.

Application filed September 29, 1887. Serial No. 251,011. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. THAYER, of Collinsville, in the county of Hartford and State of Connecticut, have invented certain
5 new and useful Improvements in Attachments for Type-Writing Machines, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

10 The object of my invention is to provide an attachment that may be readily applied to the frame of a type-writer for the purpose of holding and guiding the sheet of paper in such manner as to allow the sheet to be written upon
15 to the extreme bottom.

My invention is more especially applicable to the so-called "Hammond Type-Writer," and in the accompanying drawings a form applicable to such a machine is shown.

20 My improvement consists in a guide composed of rods or rolls held by clamps that are provided with means for adjustably securing them to the carriage of the machine, so as to hold the sheet of paper in place to be written
25 upon by the types after it has passed beyond the grasp of the regular feed-rolls of the machine; and it further consists in details of the several parts of the device and their combination, as more particularly hereinafter described, and pointed out in the claims.

30 Referring to the drawings, Figure 1 is a detail front view of the paper-rack of a Hammond type-writer with my improved attachment. Fig. 2 is a detail view in vertical section through the rack, my attachment, and the paper-feed rolls. Fig. 3 is a detail plan view of the parts shown in Fig. 1, with portions cut away to show construction.

35 In the accompanying drawings, the letter *a* denotes the guide as a whole, made up of the clamps *b* and the rods *c*. The clamps are made with sockets to embrace the standard *d'* of the paper-rack *d* on the machine, and the projecting parts of the clamp have an upturned
40 socket, in which are laid the ends of the rods *c* or equivalent guides. A screw passing through

the body of the clamp into one of the sockets serves as a means for securing the clamp to the paper-rack of the machine, while the thumb-screws *f* serve to clamp the rods in place. In
50 order to provide means for holding the guide-rods in proper position over the feed-rolls of the machine, I provide a key, *g*, which is made of a thin piece of metal adapted to grasp the covering-plate on the top of the carriage, and
55 having a slot, *g'*, in its edge, that receives and holds the upright of the paper-rack. The position of the slot *g'* along the edge of the key *g* determines the angle at which the paper-rack shall stand.

60 In using my device the upper edge of the sheet being printed upon is passed through the guides between the rods, and is held there more or less securely by the tension of the clamp-screws upon the rods at their opposite
65 ends.

Although my improvement is shown and described with reference to one particular class of type-writing machines, it may evidently be adapted for use upon other kinds without ma-
70 terial change, and I do not limit myself to its use upon any particular machine.

I claim as my improvement—

1. In combination with the carriage of a type-writing machine, a supplemental paper-
75 guide composed of the clamps, in combination with the parallel bars supported by the clamps, and the clamp screws whereby the clamps and the rods are held in position, all substantially as described.

80 2. In combination with the paper-carriage, the key *g*, having a socket adapted to hold the upright of the paper-rack, the paper-rack, the clamps adjustably secured thereto, and the bars held by the clamps in position to support
85 and guide the paper, all substantially as described.

CHARLES W. THAYER.

Witnesses:

ALBERT L. THAYER,
OLIVER F. PERRY.