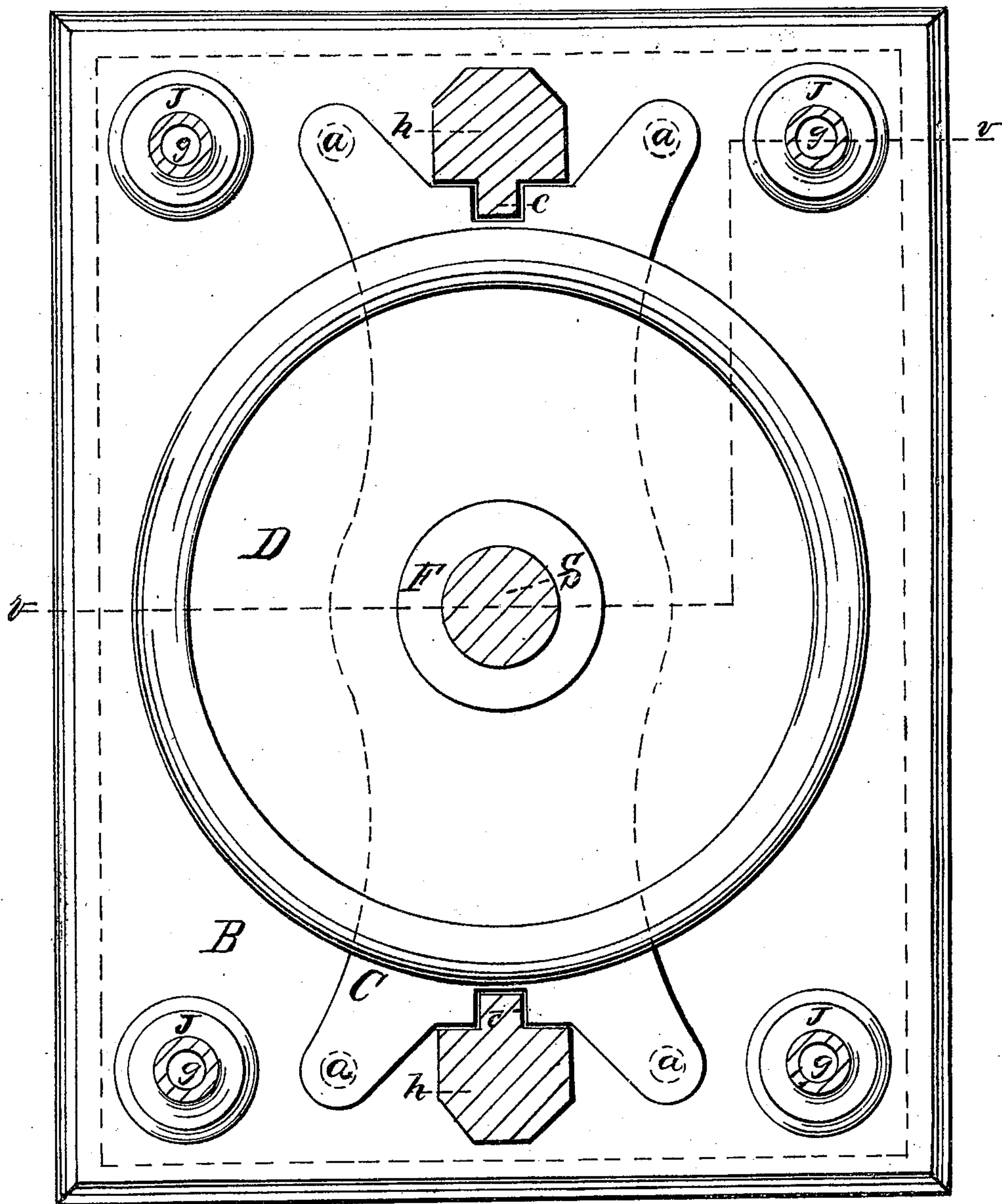


E. Clark. Sheet 1 of 2 Sheets.

Copying Press.

N^o 30,959. Patented Dec. 18, 1860.

Fig. 1.



Witnesses:

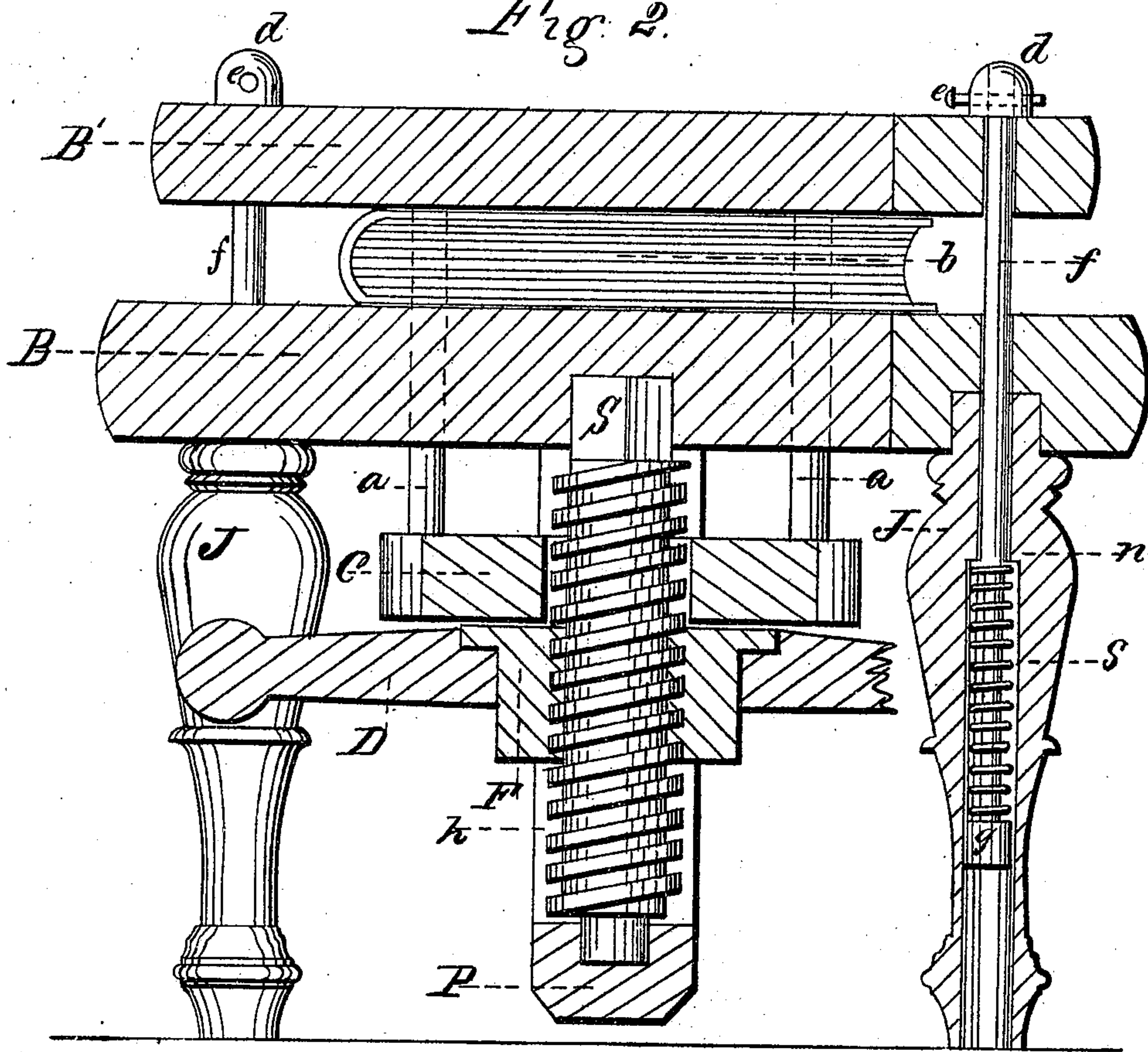
*J. W. Combs.
attorney*

Inventor:

Elisha Clark.

E. Clark. Sheet 2 of 2 Sheets.
Copying Press.
No 30,959. Patented Dec. 18, 1860.

Fig. 2.



Witnesses:
J W Coombes
attorney.

Inventor:
Elisha Clark.

UNITED STATES PATENT OFFICE.

ELISHA CLARK, OF NEW YORK, N. Y.

COPYING-PRESS.

Specification of Letters Patent No. 30,959, dated December 18, 1860.

To all whom it may concern:

Be it known that I, ELISHA CLARK, of the city, county, and State of New York, have invented a new and useful Improvement in Copying-Presses; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is an inverted plan with the bridge piece *p*, and portions of the hangers *h*, and legs *J*, removed. Fig. 2 is a vertical section through the parts as indicated by the red angle line *v*, in Fig. 1.

Similar letters of reference in both figures, indicate corresponding parts.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation, having reference to the accompanying drawing.

The apparatus is supported on four legs or posts *J*, which are made hollow, as seen in Fig. 2, for the reception of the connecting rods *f*, and the springs *s*, with which each of the said rods *f*, are provided.

The legs are bored out from the lower end, with a larger auger than the upper end, which forms the shoulder *n*, near the top of the legs, which acts as a seat for the upper end of the springs *s*, to rest against. The springs should be coiled from the best steel wire.

The rods *f*, are each provided with a head *g*, at the lower end, and they pass up through within the coil of the springs *s*, through the bed plates *B*, and *B'*, and receive the caps *d*, on their upper end which may be screwed on, or they may be secured by the pins *c*.

The screw *S*, which is double threaded, so as to act rapidly is made square at the upper end, and is inserted in a corresponding

shaped mortise in the bed plate *B*, which prevents it from turning when the screw wheel is revolved. The said screw *S*, is supported by the hangers *h*, and bridge piece *p*, which are suspended from the under side of the primary bed plate *B*, to which they are secured by screws.

The screw wheel *D*, is rigidly fixed to the nut *F*, and upon the upper face of the said nut, the antipressure bridge *C*, rests. This bridge *C*, is fitted at each end to the vertical ways *c*, on the side of the hangers *h*, as seen in Fig. 1, and is provided with four studs or pins *a*, which project through the bed plate *B*, and against the secondary or movable bed-plate *B'*.

By turning the screw wheel *D*, in the proper direction, the antipressure bridge *C*, with its studs *a*, is made to rise which also elevates the bed plate *B'*, at the same time compressing the spring *s*. The copy book *b*, may then be placed between the two bed plates *B*, and *B'*, and the screw wheel turned back so as to allow the springs *s*, to act upon the book *b*, with their full force. The said book is relieved by running the screw wheel *D*, up the screw again, when it may be taken out and placed upon the upper, or movable bed plate, for examination and reference.

I propose to use marble or other suitable material for the beds *B*, *B'*.

What I claim as new and desire to secure by Letters Patent, is—

The arrangement of the anti-pressure bridge *C*, studs *a* screw *S* and nut *F* with the plates *B* *B'*, rods *f* and springs *s* in the manner and for the purpose herein shown and described.

ELISHA CLARK.

Witnesses:

M. M. LIVINGSTON,
G. W. REED.