

(No Model.)

R. P. PEARSON.
Loom Temple.

No. 238,151.

Patented Feb. 22, 1881.

Fig:1.

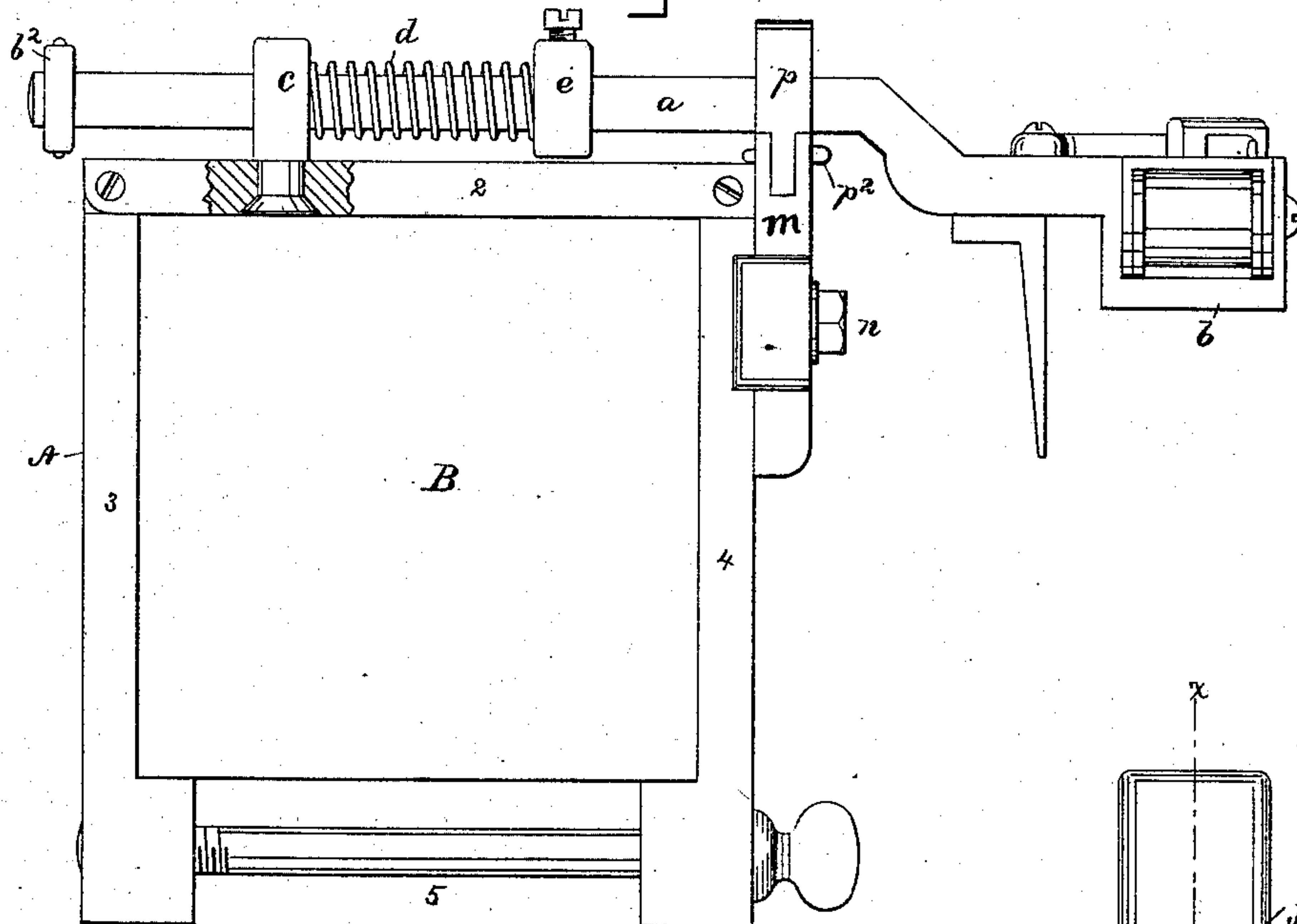


Fig. 2.

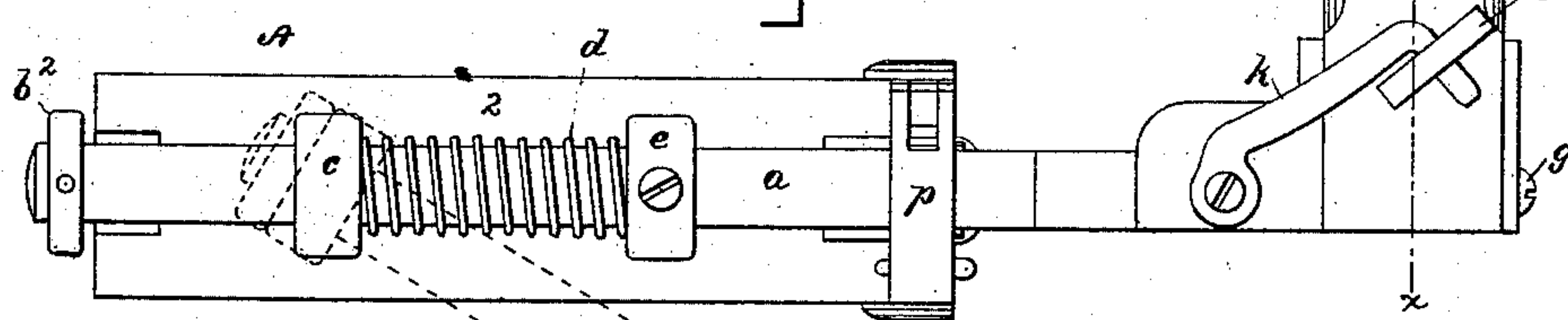
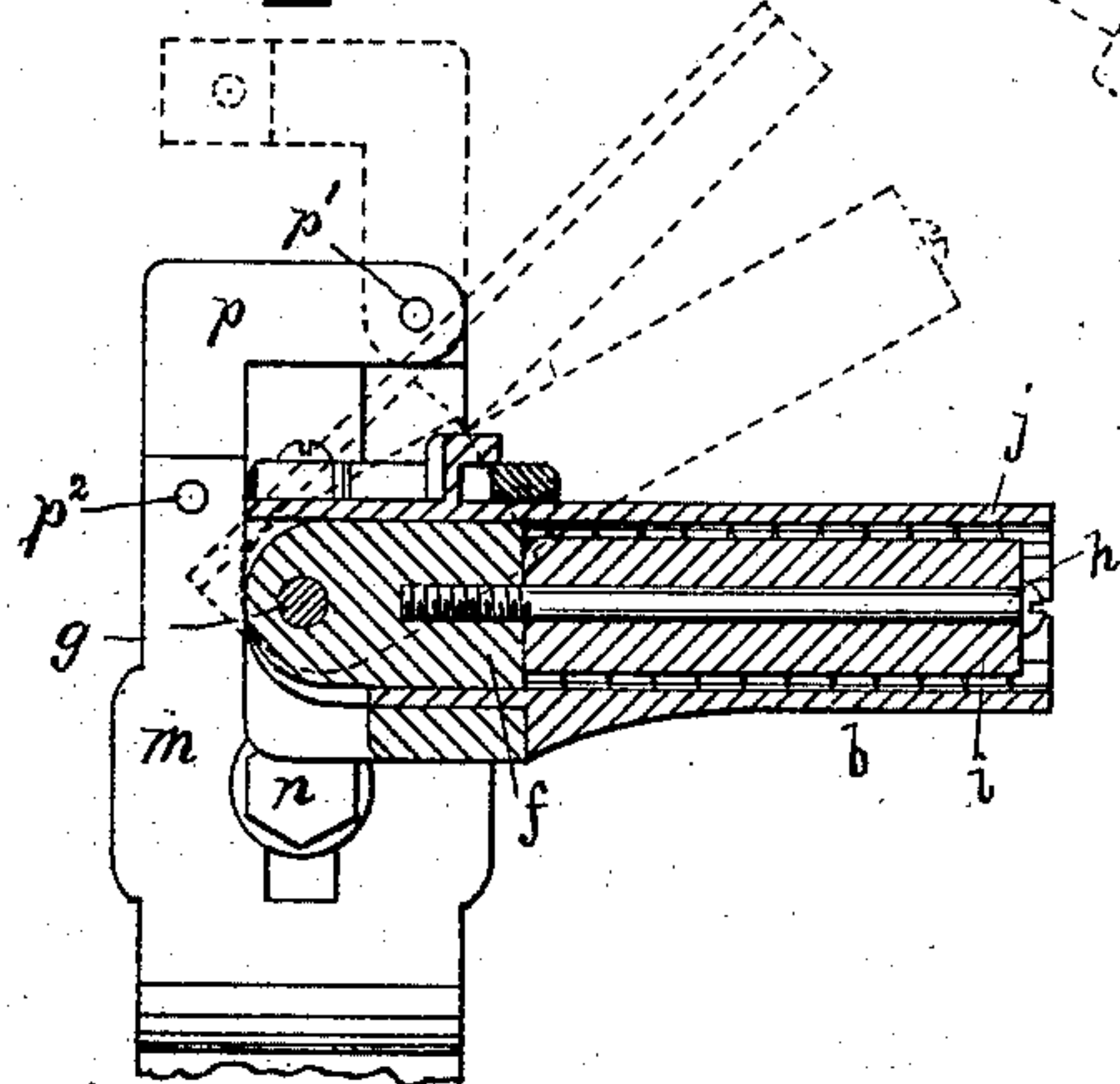


Fig. 3.



Witnesses.

W. H. L. Whitney.
Arthur Reynolds.

Inventor.

Robert D. Pearson.
by Crosby & Gregory Attys.

UNITED STATES PATENT OFFICE.

ROBERT P. PEARSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
DUTCHER TEMPLE COMPANY, OF HOPEDALE, MASSACHUSETTS.

LOOM-TEMPLE.

SPECIFICATION forming part of Letters Patent No. 238,151, dated February 22, 1881.

Application filed September 4, 1880. (No model.)

To all whom it may concern:

Be it known that I, ROBERT P. PEARSON, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Loom-Temples, of which the following description is a specification.

This invention in loom-templates consists in a reciprocating temple-bar and its pivoted bearing and clamp to connect the temple with the loom-frame, combined with a lock to permit the temple-bar to be turned aside horizontally, as hereinafter described; also, in the combination, with the reciprocating temple-bar, its pivoted bearing, and the plate to hold the said bearing, of a lock to allow the temple-bar to be turned aside horizontally.

Figure 1 represents, in side elevation, a temple supposed to be held in position upon the breast-beam; Fig. 2, a top view thereof, the dotted lines showing the temple-bar turned aside, as it may be, when desired; and Fig. 3 is a partial sectional view, looking at the temple from the direction of the lay, the cap, trough, and roller being in longitudinal section, on the line *x x*, Fig. 2, and the cap and roller being shown in dotted lines as elevated, the lock being also shown opened in dotted lines.

The temple-bar *a*, having at one end the trough *b*, and at its other end a collar, *b*², has its shank fitted into the pivoted bearing *c*, that, besides supporting and guiding the bar during its reciprocations, also serves as the front stop, against which the collar may strike when the spring *d*, one end of which bears against the said bearing and its other end against an adjustable collar, *e*, acts to throw the temple-bar forward toward and to follow the lay in the usual manner when on its back-stroke.

The bearing *c* is pivoted to turn upon the top bar, 2, of the clamp or holder A, composed of the said bar and legs 3 4 pivoted to it, and a screw, 5, by which to draw the legs together and secure the clamp firmly to the breast-beam B.

The trough *b* will preferably be cast as a part of the bar *a*.

The roller-holding block *f* is pivoted at *g*, and provided with a threaded hole to receive the usual spindle *h*, upon which the toothed temple-roller *i* is mounted and left free to turn. The cap *j* is also pivoted to turn about the same pivot *g*, about which the holding-block *f* turns, so that it and the block may be lifted or separated, as shown in dotted lines, Fig. 3, when desired. The cap will be held closed by means of any suitable fastening device.

I have herein shown a fastening device composed of a hook, *k*, pivoted upon the bar and entering an eye, *l*, of the cap. At the front of the clamp and on its leg 4, I have adjustably secured the front bearing, *m*, for the bar, attaching it thereto by the screw *n*, so that the bearing may be adjusted vertically to place the temple-trough at the proper level with relation to the race and reed. The upwardly-turning portion *p* of the bearing, pivoted at *p*¹ and fastened by a pin, *p*², I denominate the "lock," because it permits the temple-bar to be held in place to be reciprocated by the lay, or to be removed or turned aside into the dotted-line position without detaching the said bar from the clamp or the clamp from the breast-beam.

I claim—

1. In a loom-temple, the clamp, the reciprocating temple-bar and its pivoted bearing, combined with the lock, to permit the temple-bar to be turned aside horizontally, substantially as described.

2. In a loom-temple, the reciprocating temple-bar, the pivoted bearing therefor, and the plate 2 to hold the said bearing, combined with the lock, to allow the temple-bar to be turned aside horizontally, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT P. PEARSON.

Witnesses:

WM. F. DRAPER,
F. J. DUTCHER.