

W. H. GOLDING.
CLAMPING AND ADJUSTING DEVICE FOR PRINTING PRESSES.
APPLICATION FILED OCT. 10, 1905.

900,519.

Patented Oct. 6, 1908.

Fig. 1.

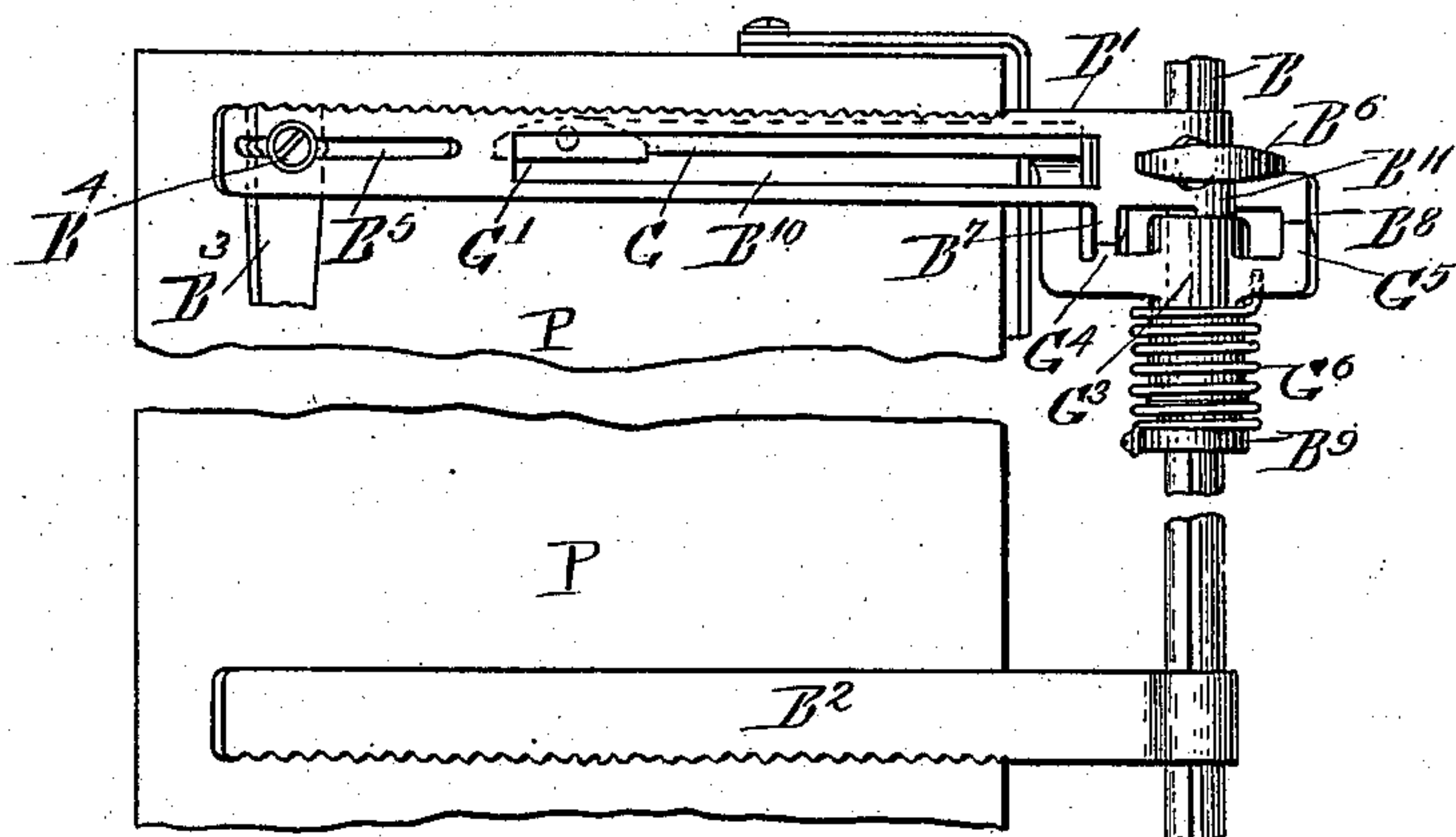


Fig. 2.

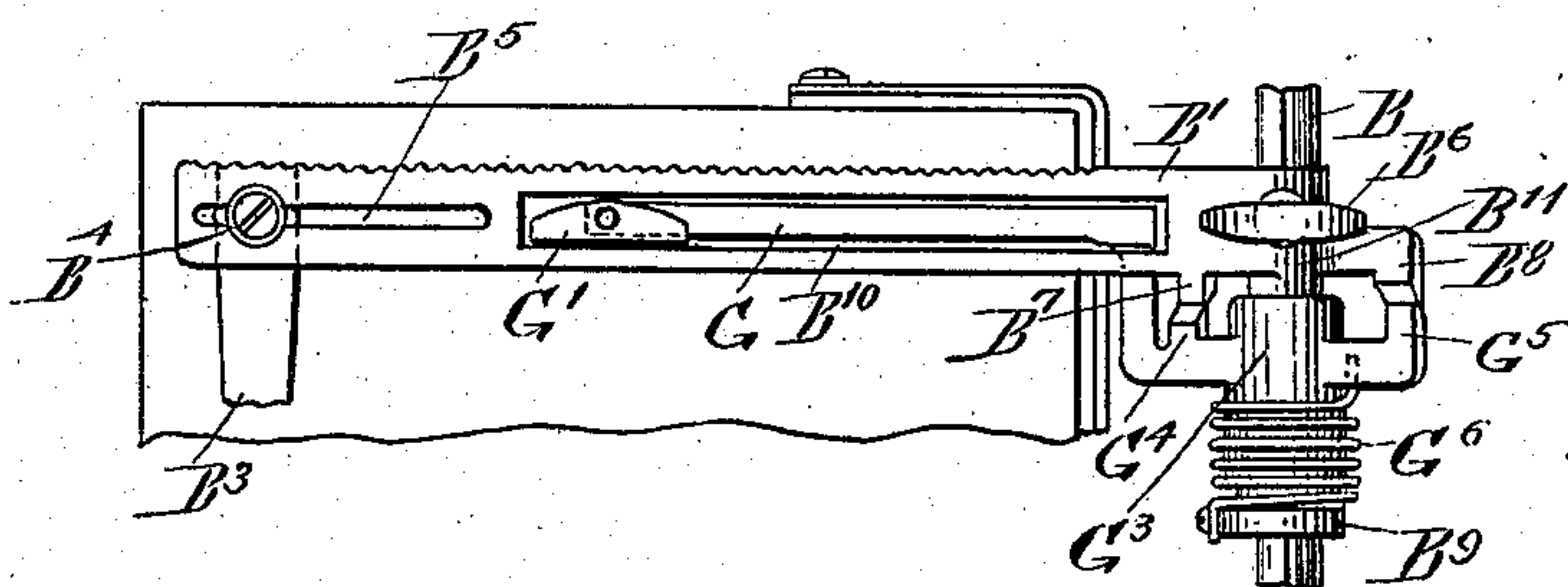
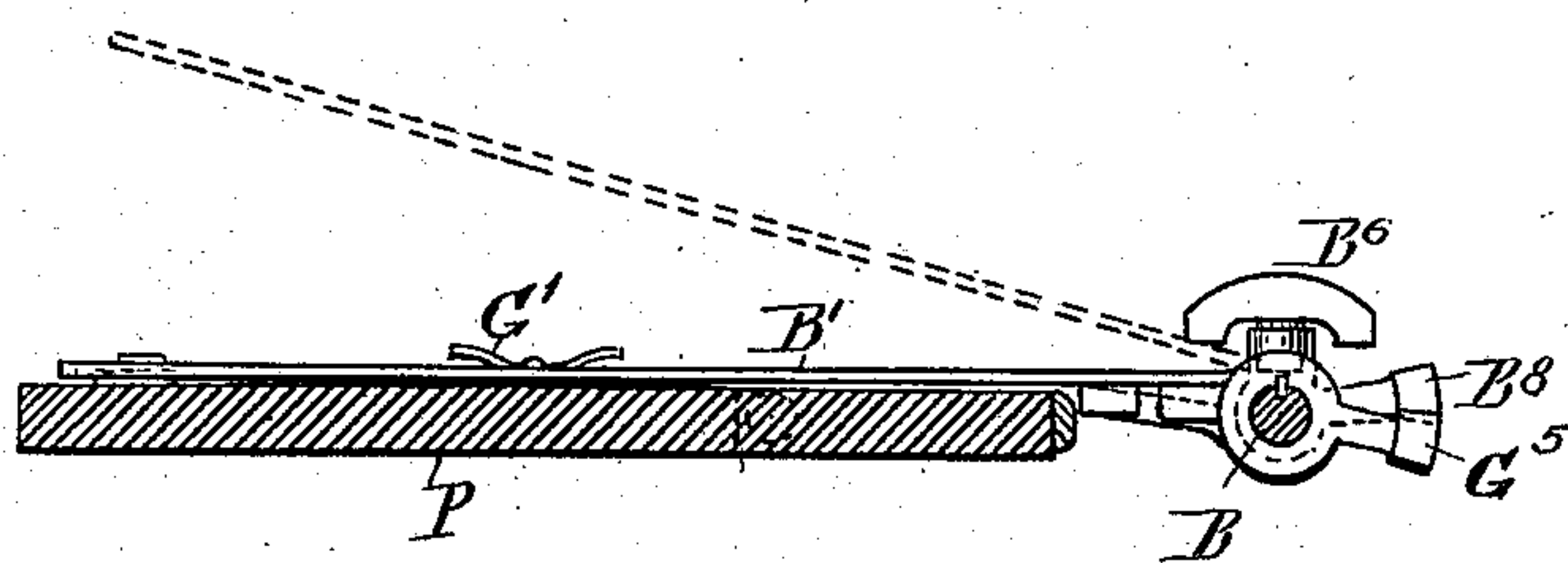


Fig. 3.



WITNESSES.

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CLAMPING AND ADJUSTING DEVICE FOR PRINTING-PRESSES.

No. 900,519.

Specification of Letters Patent.

Patented Oct. 6, 1908.

Original application filed February 4, 1905, Serial No. 244,209. Divided and this application filed October 10, 1905.
Serial No. 282,164.

To all whom it may concern:

Be it known that I, WILLIAM H. GOLDING, a citizen of the United States, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Clamping and Adjusting Devices for Printing-Presses, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to that part of a printing-press that comprises the sheet-moving, holding and adjusting mechanism, these parts being described and claimed in my application for United States Letters Patent Serial Number 244,209, filed February 4, 1905, of which application this present application is a division.

The object is to obtain certainty, accuracy and celerity of action. This object I attain by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a plan showing a part of the platen and the two clamping fingers and connected parts. Fig. 2 is a plan showing only one of the clamping fingers and its connected parts, the position of some of the parts changed from the position of the same parts, as shown in Fig. 1. Fig. 3 shows parts in section and elevation.

In the drawings B^1 and B^2 represent clamping fingers which are adjustably attached to the rocker shaft B by thumb-screws B^6 . The rocker shaft B is of ordinary construction and is adjusted in the usual manner. The clamping finger B^1 , that is, the finger most remote from the delivery table, has a longitudinal slot B^{10} , Figs. 1, and 2, which is made for the purpose of making room for the sliding gage finger G ; this gage finger G has a clip G^1 which serves as an auxiliary gage for registering the sheet upon the platen and is connected to a quill G^3 , which is mounted on the quill B^{11} , which can be moved longitudinally on the rocker shaft B . The said quill B^{11} serves as a journal for said quill G^3 to slide upon. The said second quill G^3 has arms G^4 G^5 which have inclined terminals as shown, which are constructed to operate with the similar inclines on the arms B^7 B^8 connected with the clamping-finger B^1 ; a spring G^6 attached to the collar B^9 (fixed to the quill B^{11}) serves to hold the moving gage finger G down on to the platen and also to push the said gage G back on the platen a little removed

from the place on the platen P that would be occupied by the edge of the sheet to be printed. When the clamping-finger B^1 is raised up as indicated in Figs. 1, and 3, then the moving gage G is forced back away from the position at the edge of the sheet to be printed; but when the clamping finger B^1 is coming down to its sheet-holding position, as shown in Fig. 2, then the moving gage G is forced forward (by the inclines B^7 B^8 acting on the inclines G^4 G^5) against the edge of the sheet to be printed, and in its forward movement forces the said sheet into the exact position for printing and also into the field of action of the gripper not shown. The clamping finger B^1 has attached to it an auxiliary adjustable arm B^3 held by a thumb-screw B^4 which works through a slot B^5 , (see Figs. 1, and 2). The outer edges of the clamping fingers B^1 B^2 are serrated for the purpose of retaining sheet-holding cords in any desired places.

Claims.

1. In a printing-press, a platen for supporting the sheets, a rocker shaft having a clamping finger attached, a sheet-moving registering gage slidably connected with said clamping finger and having a moving quill by which it is attached to a second quill on said rocker shaft, and means for automatically changing the position of the said registering gage in relation to the said clamping finger; substantially as and for the purpose set forth.

2. In a printing-press, a platen for supporting the sheets to be printed, a clamping finger having movably attached to it a sheet-moving gage; quills attached respectively to said clamping finger and sheet-moving registering gage and having arms provided with inclines whereby the movement of the fingers will cause a movement of the said gage, and cause it to move the sheet into the field of action of the gripping device; substantially as and for the purpose set forth.

3. In a printing-press, a platen for supporting the sheets, a clamping finger for holding the sheets, and a rocker shaft for operating said clamping finger, a registering gage mediately connected to said rocker shaft and clamping finger, a set of arms mediately connected to the said rocker shaft and having inclined terminals, a second set of arms connected to the said clamping finger also

having inclined terminals constructed to
engage with and operate the arms on the
rocker shaft constructed to control the regis-
tering gage in its action; substantially as and
5 for the purpose set forth.

In testimony whereof, I have signed my
name to this specification in the presence of

two subscribing witnesses, on this 3d day of
October A. D. 1905.

WILLIAM H. GOLDING.

Witnesses:

FRANK G. PARKER,
JOHN BUCKLER.