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P. & J. F. RAIBLE.
REGISTERING DEVICE FOR PRINTING CHASES.
APPLICATION FILED MAY 31, 1907.

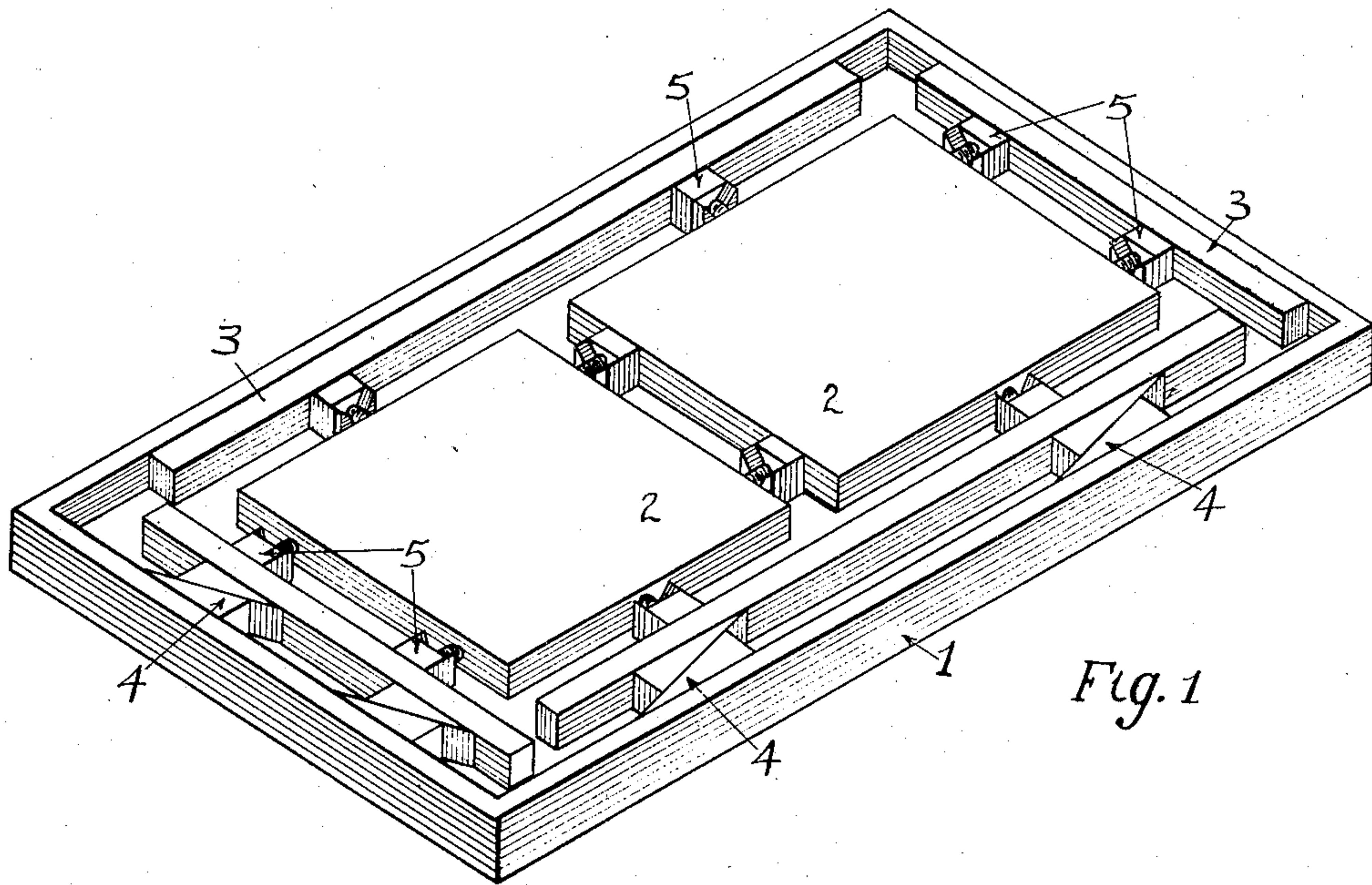


Fig. 1

Fig. 2.

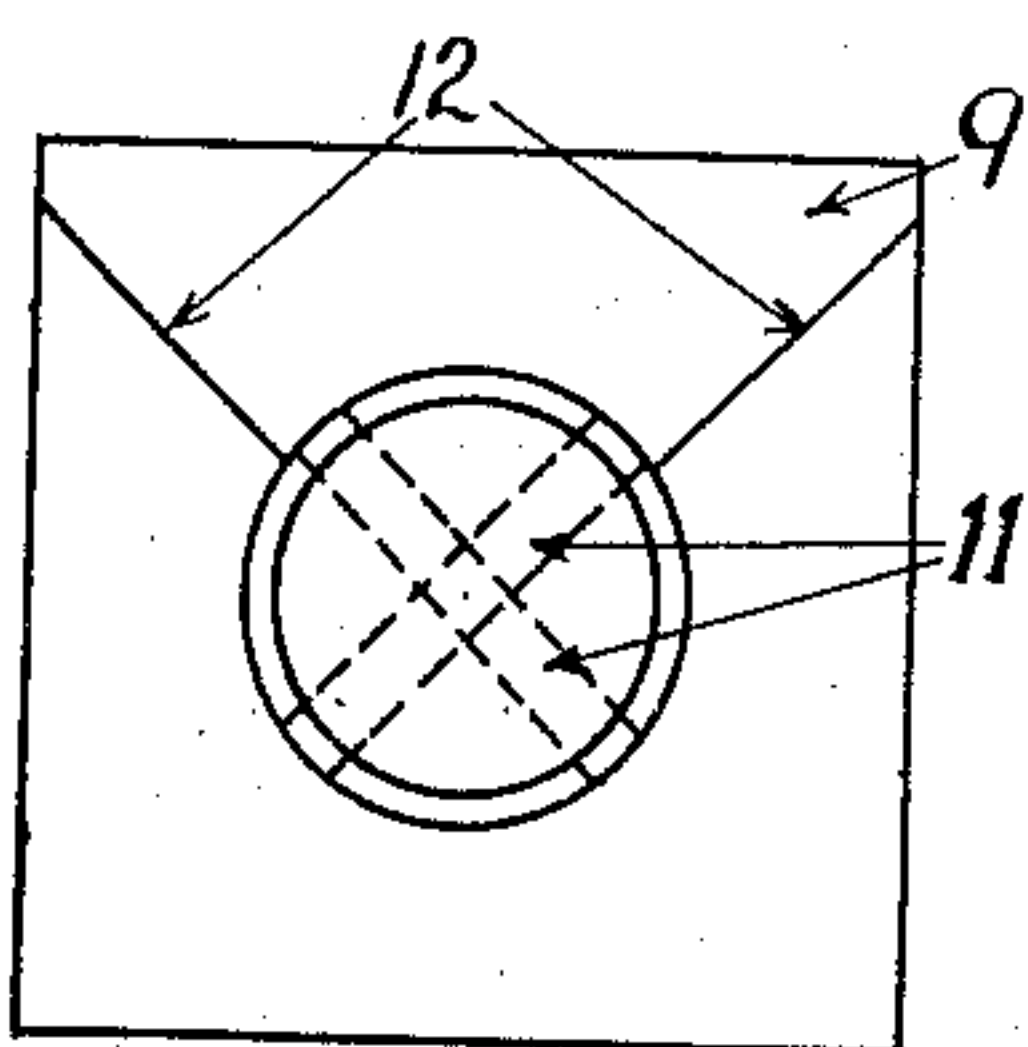
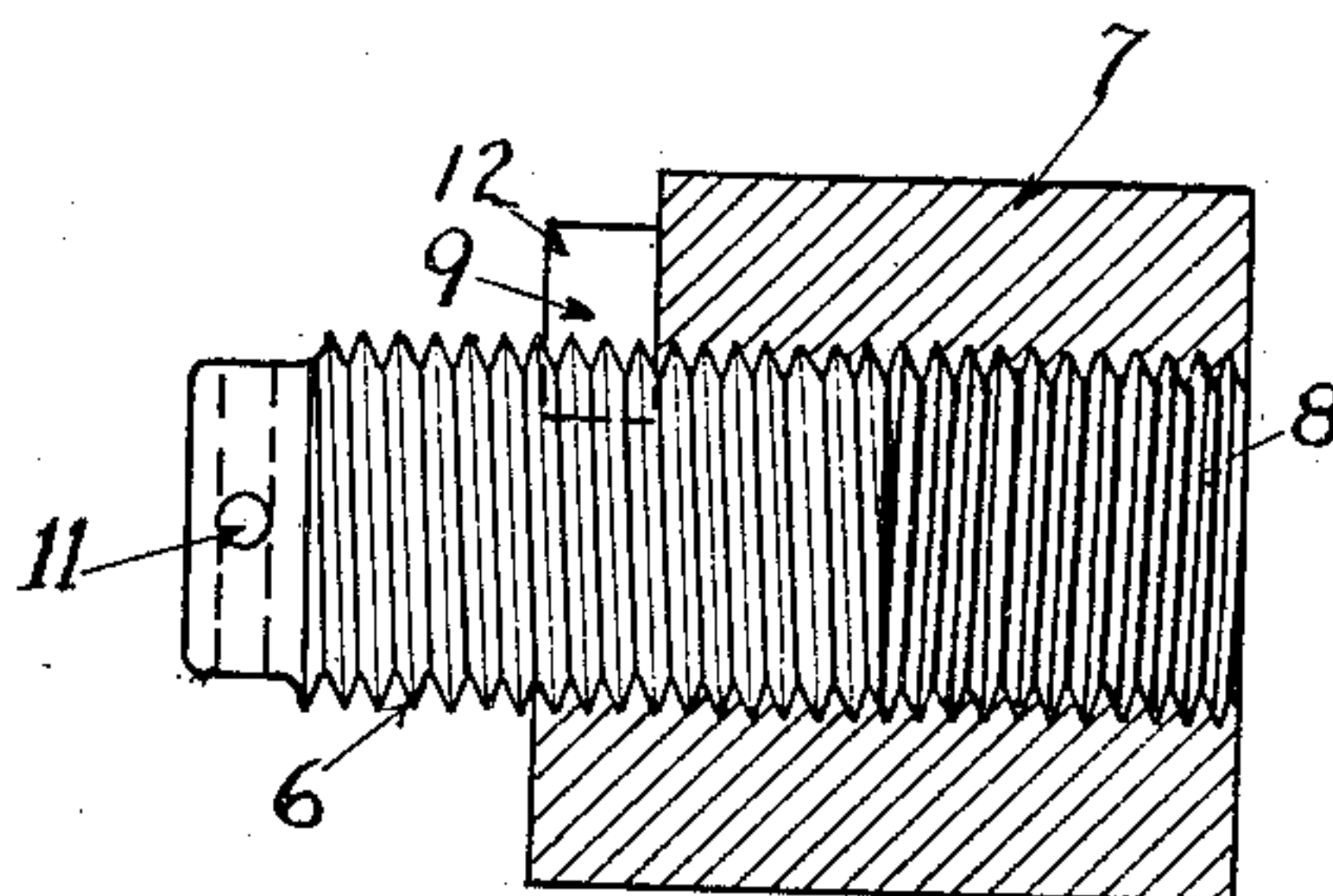


Fig. 3.



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REGISTERING DEVICE FOR PRINTING-CHASES.

No. 866,683.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed May 31, 1907. Serial No. 376,664.

To all whom it may concern:

Be it known that we, PIUS RAIBLE and JOHN F. RAIBLE, citizens of the United States, residing at 857 North Troy street and 942 North Albany avenue, respectively, in the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Registering Devices for Printing-Chases, of which the following is a specification.

This invention relates to devices whereby forms can be readily adjusted in a chase to bring the forms into perfect register with the work to be printed.

The invention has for one of its objects to improve and simplify the construction of devices of this character so as to be comparatively easy and inexpensive to manufacture, readily applied to chases and forms of ordinary construction and designed to permit of ready adjustment of the forms.

A further object of the invention is the provision of a jack device or screw mounted in a block approximately of the same length as the screw, which block has a cut away portion for the reception of an operating lever or pin which is inserted in openings and screwed for turning the latter in one direction or the other.

With these objects in view, and others, as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangements of parts which will be more fully described hereinafter and set forth with particularity in the claims appended thereto.

In the accompanying drawings, which illustrates one of the embodiments of the invention, Figure 1 is a perspective view of a chase showing forms clamped therein. Fig. 2 is an end view of the nut or block of the device, and Fig. 3 is a vertical longitudinal section of the device.

Similar reference characters are employed to designate the corresponding parts throughout the several views.

Referring to the drawings, 1 designates an ordinary chase for a printing press in which are arranged forms designated by 2 which are clamped in position by filling strips, 3, and quoins, 4 in the usual manner and between the filling strips and forms are arranged any desired number of the improved registering devices designated generally by 5.

The registering or adjusting devices are each composed of two parts, namely: a screw, 6 having a thread of any desired form and a block, 7 of cubical or any other suitable shape which is provided with the threaded bore, 8 for the reception of the screw, 6.

The screw is of approximately the same length as the bore so that it can be screwed entirely within the same for close work. The block, 7 is cut away in one end of the form of a right angular slot, 9 for accommodating a lever or other means by which the screw is turned. One end of the screw is turned down as at 10 and is provided with diametrically extending openings, 11 for the reception of said lever and the movement of the lever.

In practice the forms are set up in chases in the usual manner and keyed by means of the quoins, the registering or adjusting devices being first interposed between the strips 3 and forms, 2. When it is the desire to adjust the form so as to bring the same into register with the work to be printed, the screws of the adjusting devices, 5 on one side of any desired form are loosened and the screws on the opposite side are tightened. In working the screws a roll like lever or other suitable instrument is inserted in the slot 9 and engaged in one of the openings 11 of the screw and the lever turned until it strikes one of the walls, 12. The lever is then taken out and inserted in a succeeding opening, 11 to give the screw another partial turn. In this manner the screws of the device are loosened or tightened as the case may be. By providing the slots, 9 the screws can be screwed into the blocks the full length and yet be turned for adjusting the forms in the chase to bring the forms into register with the work to be printed.

From the foregoing description taken in connection with the accompanying drawings the advantages of the construction and the method of operation will be readily apparent to those skilled in the art to which the invention appertains and while we have described the principle of operation of the invention together with the device which we now consider to be the best embodiment thereof, we desire to have it understood that the device shown is merely illustrative and that such changes may be made as are within the scope of the claims.

Having described our invention what we claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, a block having a slot at one end and a threaded bore, in combination with a headless screw adapted to impinge against a form in a chase, said screw engaging the thread of the bore and provided with openings for receiving means for turning the screw.

2. In a device of the class described, a block having a threaded bore and a right angular recess at one end thereof extending into the bore, in combination with a screw engaging the thread of the bore and having one end provided with openings for receiving instruments inserted

through the recess, said end of screw being adapted to impinge against a form in a chase, substantially as described.

3. In a device of the class described, a chase and form
5 in combination with a registering device, comprising a block having a threaded bore and a recess at the end thereof extending into said bore, and a screw engaging the thread of said bore and adapted to impinge longitudinally against said form, said screw having a reduced end provided with wrench openings, and said screw being capable
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of screwing entirely within said block, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

PIUS RAIBLE.
JOHN F. RAIBLE.

Witnesses:

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