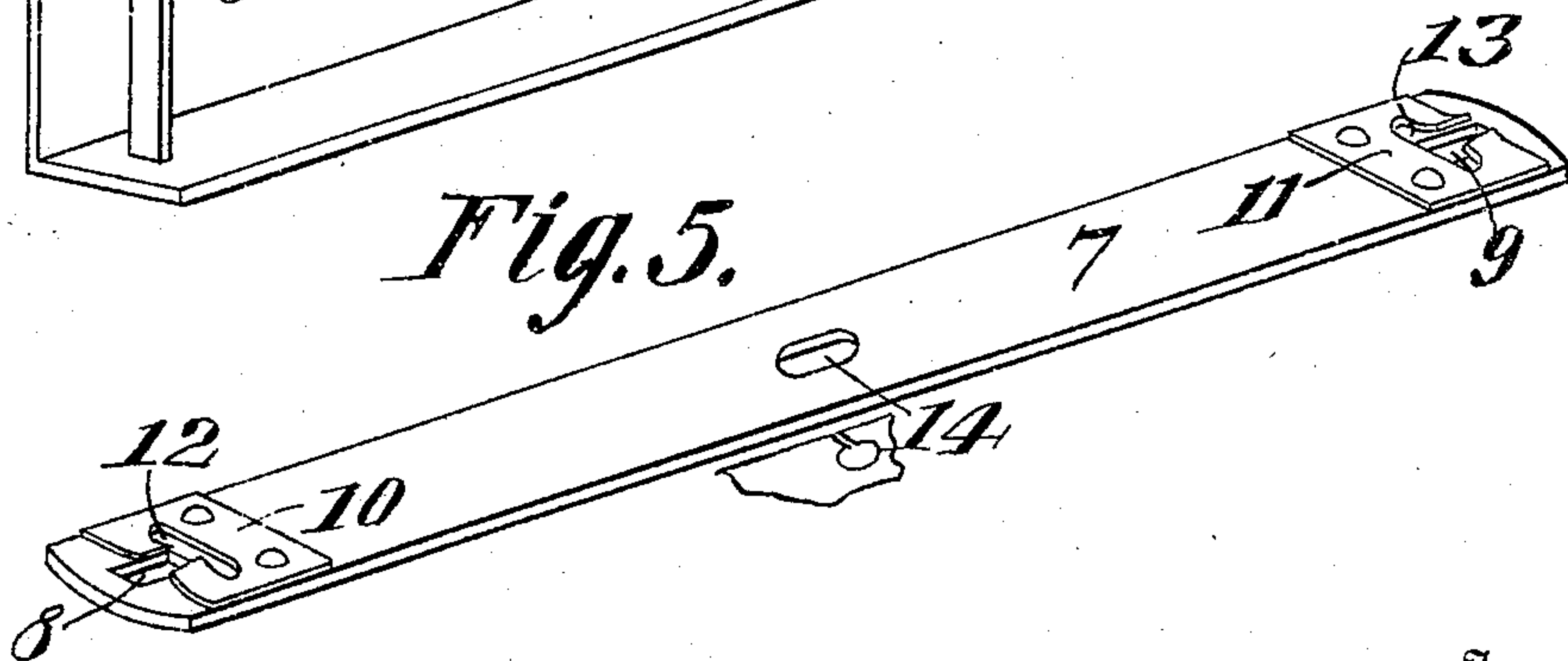
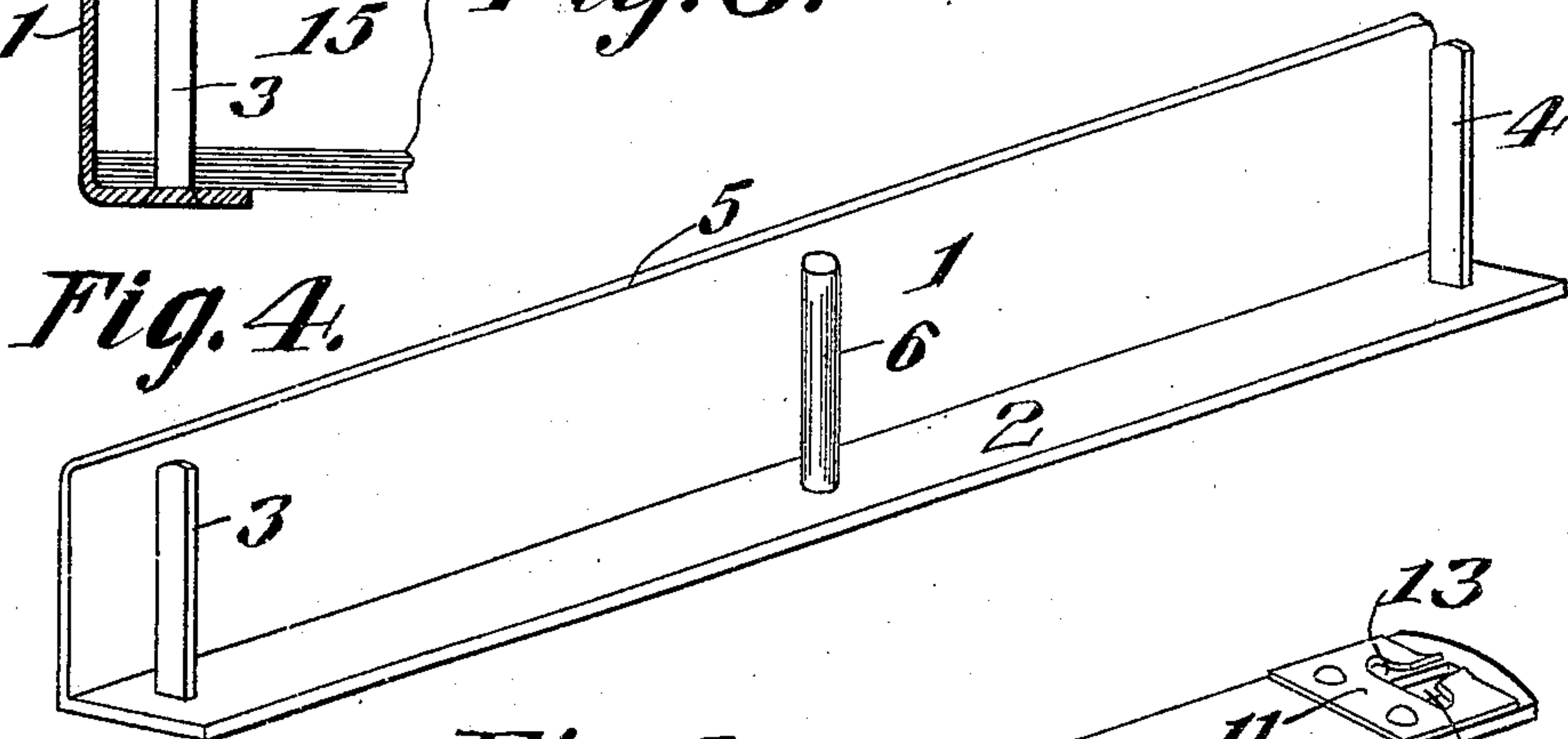
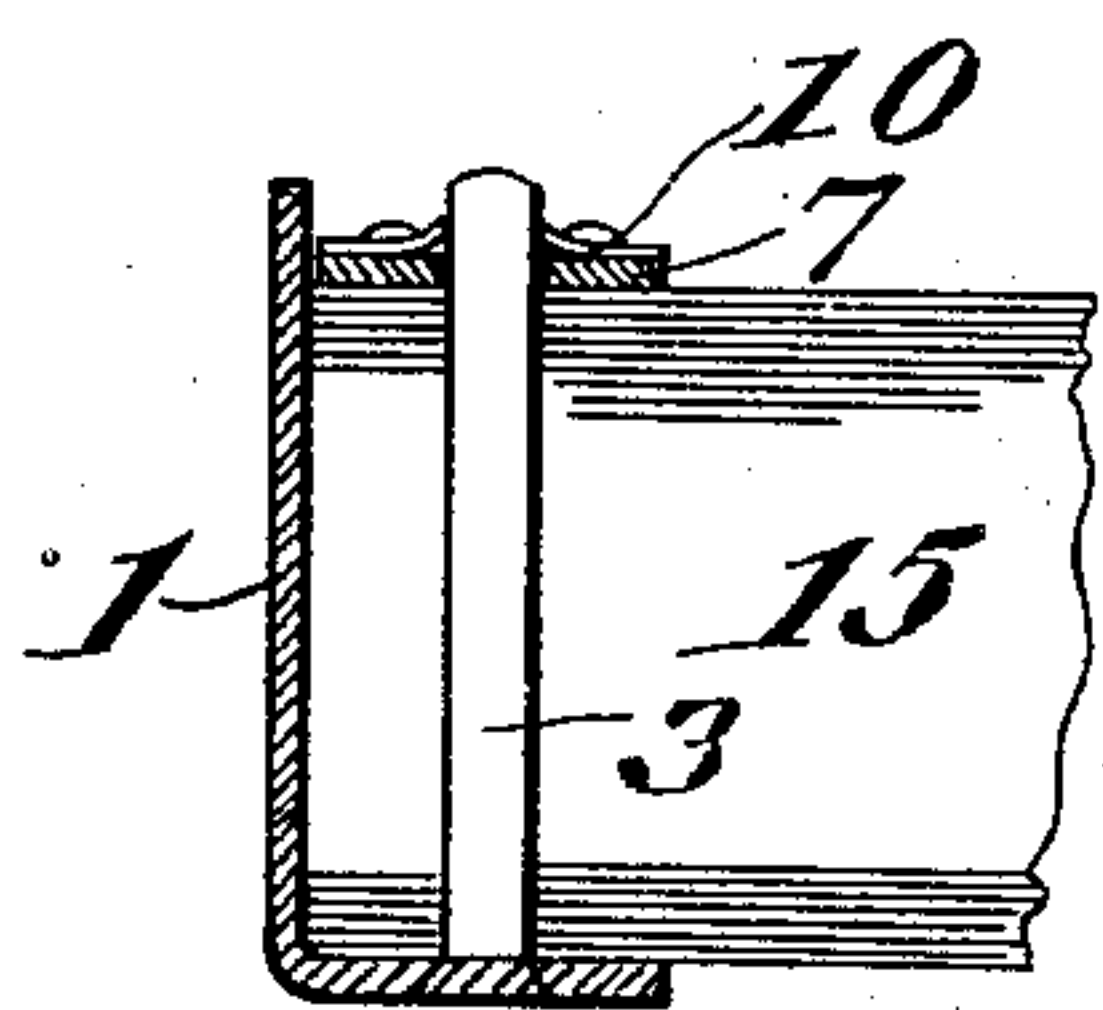
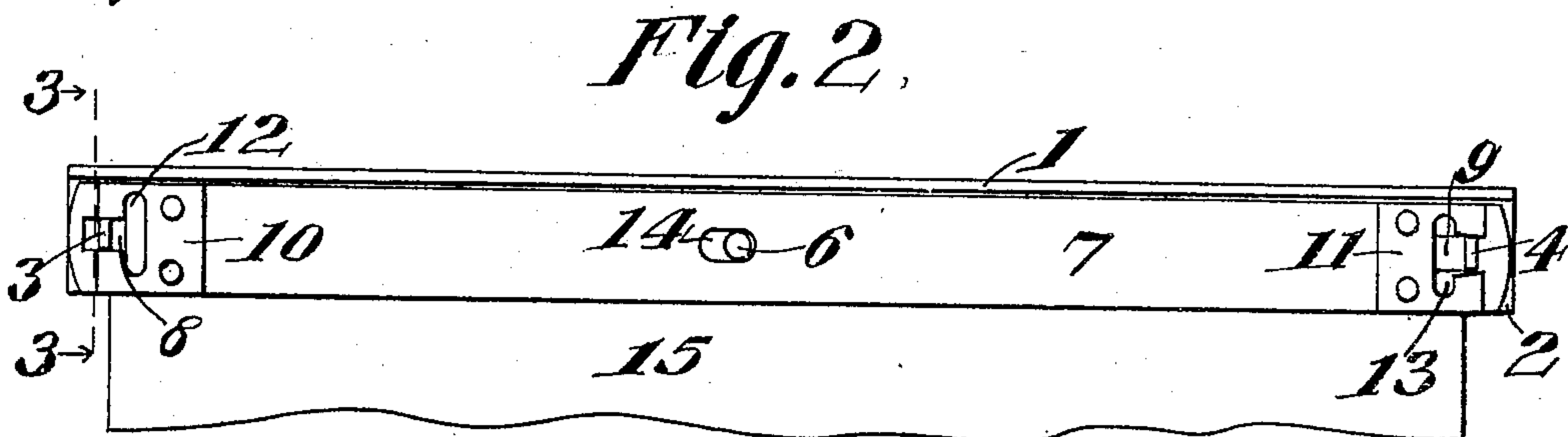
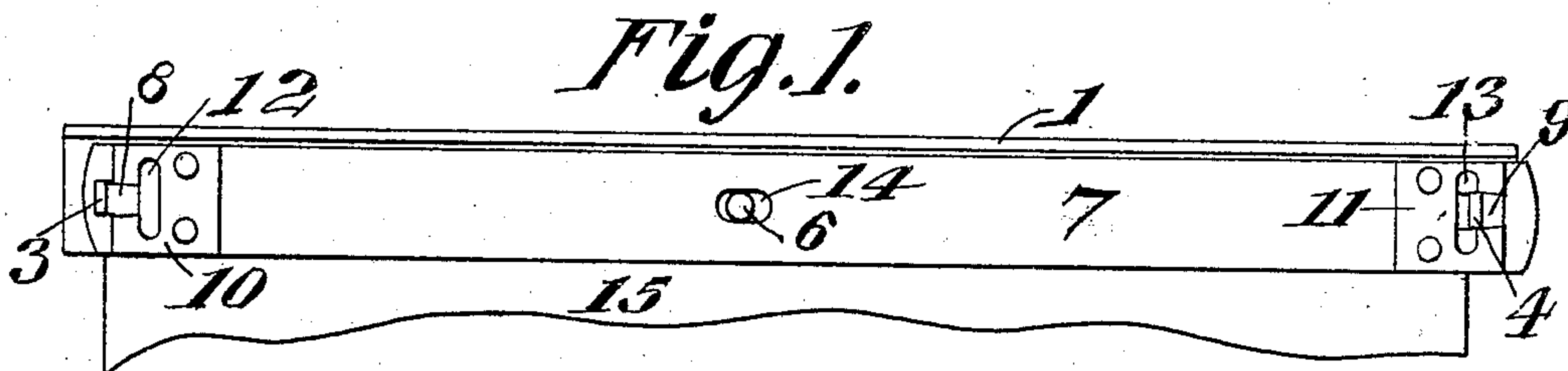


M. W. HYER.
 TEMPORARY BINDER.
 APPLICATION FILED JUNE 1, 1908.

898,580.

Patented Sept. 15, 1908.



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UNITED STATES PATENT OFFICE.

MONTGOMERY W. HYER, OF NEW YORK, N. Y.

TEMPORARY BINDER.

No. 898,580.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed June 1, 1908. Serial No. 436,177.

To all whom it may concern:

Be it known that I, MONTGOMERY W. HYER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Temporary Binders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved temporary binder and the object thereof is to provide a simply constructed and efficient device of this character which will reliably clamp and hold loose sheets in position and from which said sheets may be readily removed.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 represents a top plan view of the device applied with the clamping member in unlocked position; Fig. 2 is a similar view with the clamping member in locked position; Fig. 3 is a transverse vertical section taken on line 3—3 of Fig. 2; Fig. 4 is a perspective view of the sheet supporting member detached; Fig. 5 is a similar view of the clamping member detached and viewed from the top.

In the embodiment illustrated a supporting member 1 is shown preferably made in L-shaped form in cross section the bottom plate 2 being provided preferably near its opposite ends with uprights 3 and 4 preferably made in the form of flat bars and against which the upper and lower edges of the bound sheets are adapted to abut to hold them in alinement and on which the clamping member, to be described, is adapted to slide. The vertical flange 5 is designed to form a limiting stop to hold the rear edges of the sheets in alinement and is preferably made of any height.

As shown, the bottom plate 2 is provided with one center post or standard 6 disposed intermediately of the ends of said plate and on which the punched sheets are adapted to be inserted. It will be understood that any desired number of these intermediate posts may be provided as desired. A clamping member is preferably made in the form of a

metal plate 7 corresponding in width to the bottom plate 2 and is provided at its opposite ends with apertures 8 and 9, of a width slightly greater than the width of the uprights 3 and 4 and arranged in position to slide over said uprights. These apertures 8 and 9 are made of a length greater than the thickness of the uprights 3 and 4, for a purpose to be described. Spring plates 10 and 11 are fastened to said plate 7 preferably on the upper face thereof adjacent to the apertures 8 and 9 and these spring plates 10 and 11 are provided at their outer ends with T-shaped slots 12 and 13 the side walls of the stem portions of said slots being bent slightly upward to form spring tongues for engaging the opposite edges of the uprights 3 and 4 when in locking position. The tongues of the plates 10 are arranged at the inner end of the aperture 8 and the tongues of the spring plate 11 are arranged at the outer end of the aperture 9 thereby leaving a space at the outer end of the aperture 8 and at the inner end of the aperture 9 in which the uprights 3 and 4 may be slid freely when the clamp is being inserted or removed. An elongated slot 14 is formed intermediately of the ends of the plate 7 through which the post or standard 6 is adapted to slide and the length of said slot permits said plate to be moved longitudinally on said posts and uprights. In the use of this device the sheets to be bound are punched, as shown, in the usual manner with slits extending from the punched holes to the rear edge of the sheet to permit it to be withdrawn laterally when desired. These sheets are placed in the binder with the posts or standards as 6 extending through the punched holes formed in the sheets and with the upper and lower edges thereof abutting against the inner faces of the uprights 3 and 4. After the desired number of sheets have been placed on these posts the clamping member 7 is disposed thereon by passing the standard 6 through the slot 14 and by passing the uprights 3 and 4 through the apertures 8 and 9 at the ends of said plate. After the plate has been placed in position it is moved longitudinally to cause the spring tongues of the plates 10 and 11 to engage the opposite edges of said uprights to lock said plates in position and by pressing down on said member 7 the sheets are tightly clamped between it and the bottom plate 2 and securely held against disengagement.

When it is desired to remove or insert one

or more sheets, the plate 7 is moved longitudinally to unlock it and when the sheet is to be withdrawn it is simply pulled laterally the slit at the rear of the punched hole therein permitting it to be readily detached. 5 When a sheet is to be inserted the plate 7 is first removed the sheet placed in position the plate again slipped over the standards and the uprights, moved longitudinally into 10 locking position when it is pressed downwardly and the sheets firmly clamped.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the 15 invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of 20 the invention, as defined in the appended claims.

I claim as my invention:

1. A temporary binder comprising a supporting base provided with longitudinally spaced uprights, and a clamping member provided with slots to receive said uprights, spring metal plates attached to said clamping member adjacent to the slots therein, and 30 each having a T shaped slot, the side walls of the stems of said slots forming spring tongues, the tongues of one plate being ar-

ranged at the inner end of one of the slots in said clamping member, and those of the other plate at the outer end of the other slot. 35

2. A temporary binder comprising a base plate provided with longitudinally spaced uprights, with a standard or post arranged between said uprights, and a clamping member having apertures at its opposite ends for engagement with said uprights, and an elongated slot formed intermediately of its ends for receiving said standard, and spring means carried by said clamping member for engaging said uprights to lock said clamping member in operative position. 40 45

3. A temporary binder comprising a supporting base L-shaped in cross section provided with longitudinally spaced upright bars projecting from the lower arm thereof, 50 and with a post formed intermediately of said upright bars, and a clamping member having slots arranged to pass over said bars and post and provided with means for frictionally engaging said bars to hold said clamping plate in operative position. 55

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MONT. W. HYER.

Witnesses:

M. OELSCHLAEGER,
JAMES FLYNN.