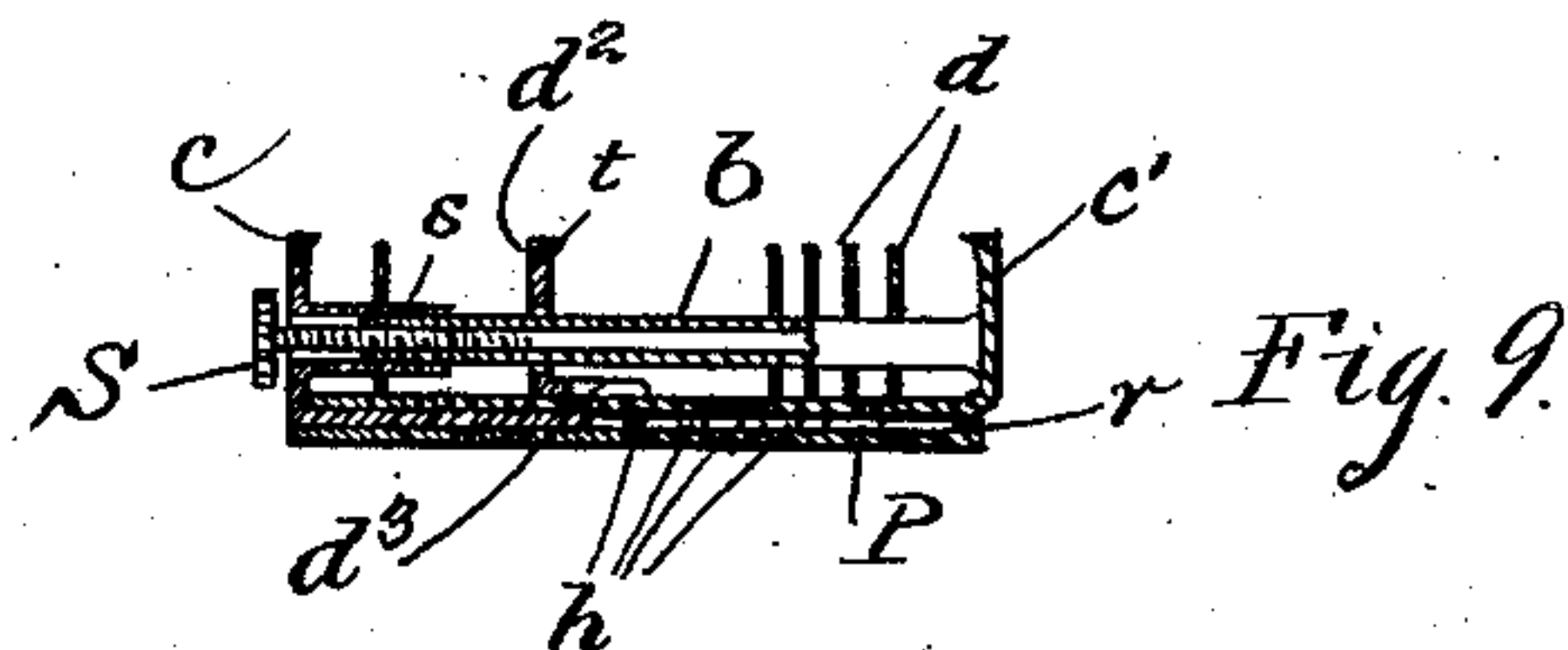
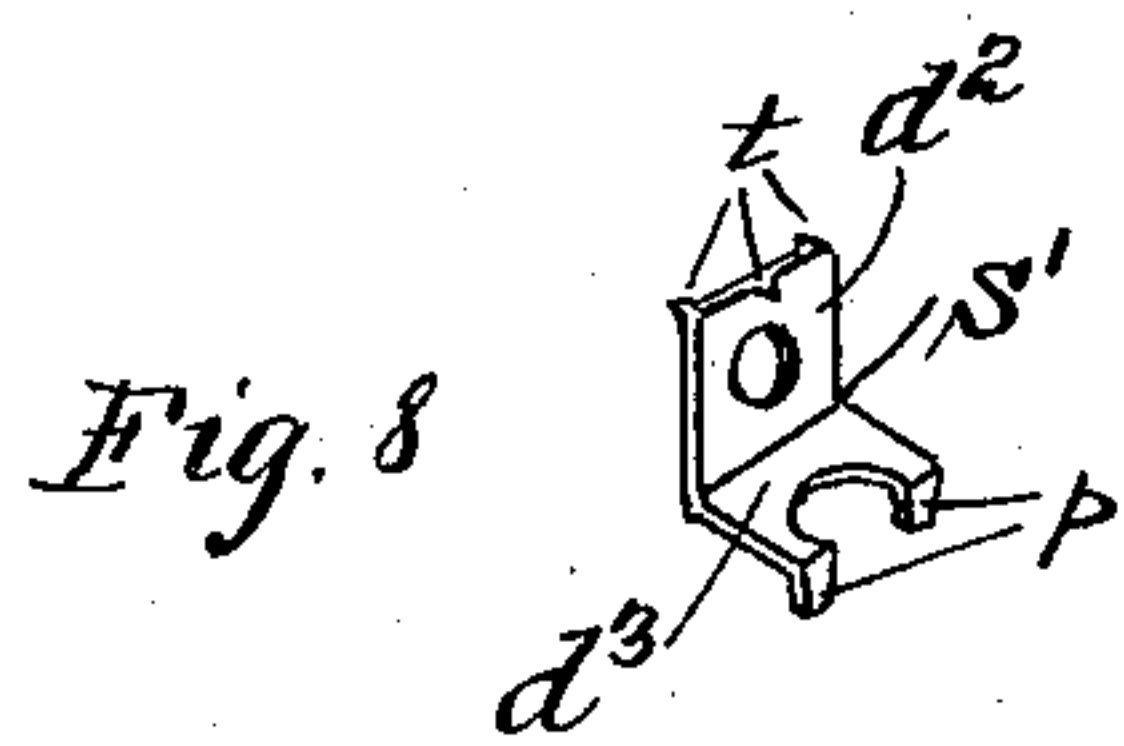
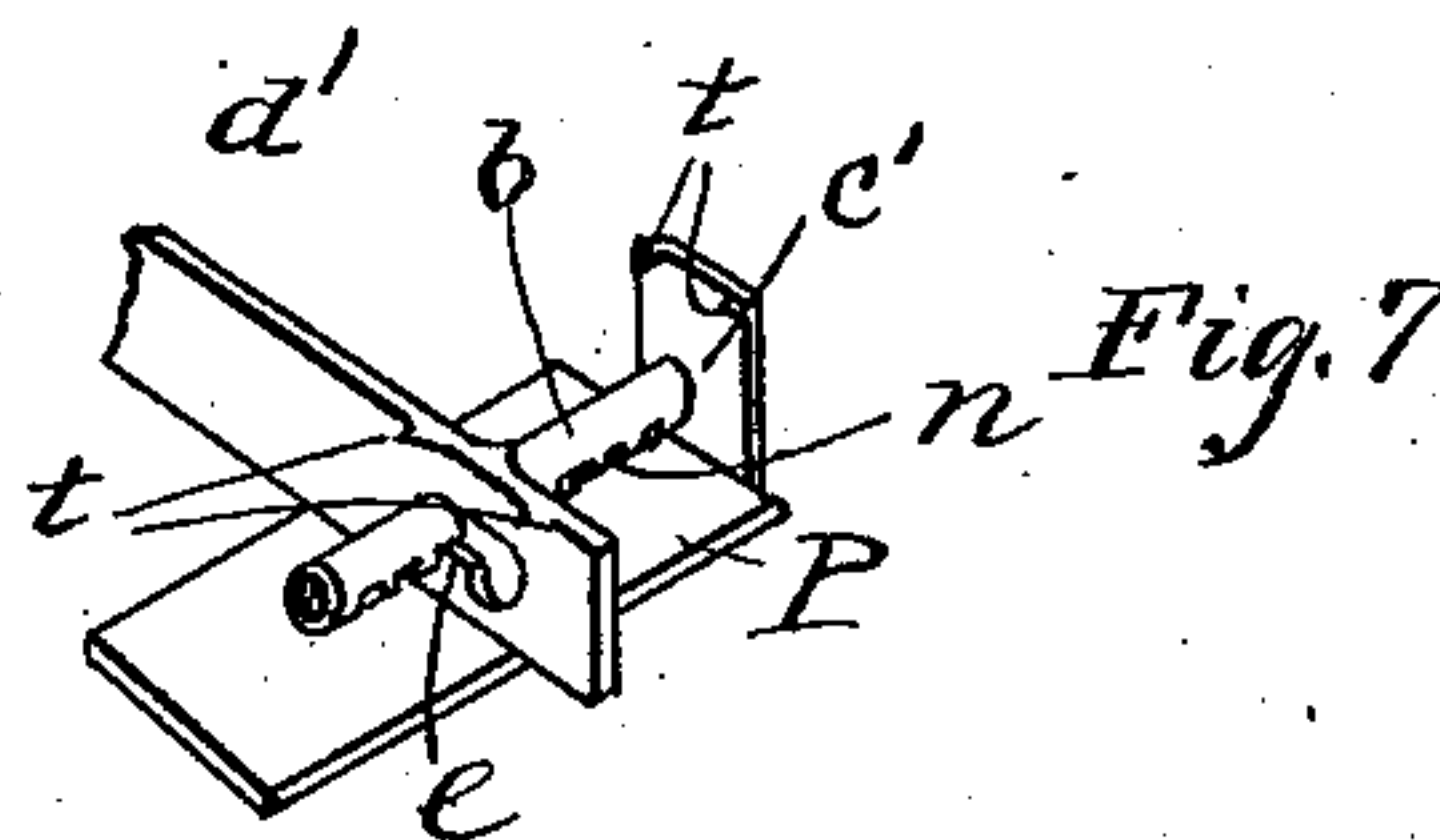
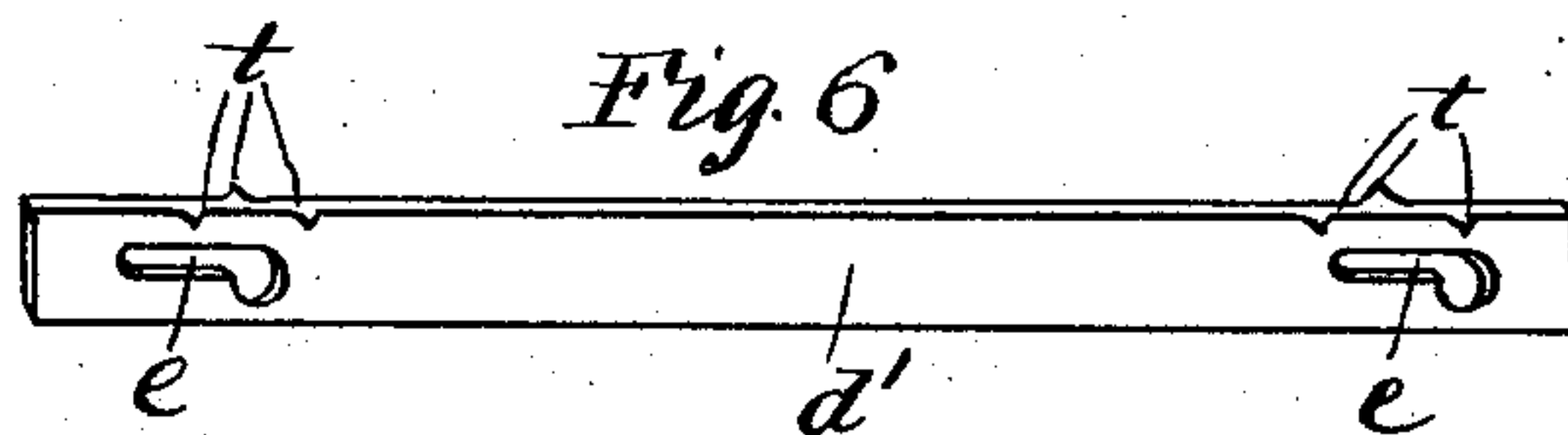
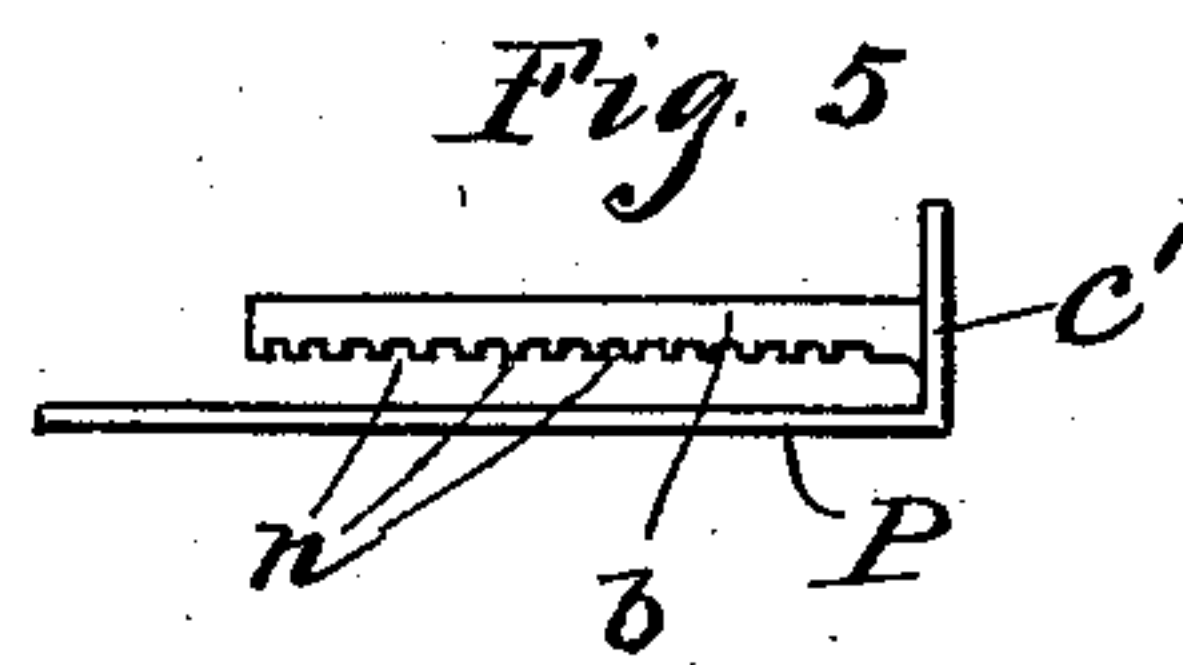
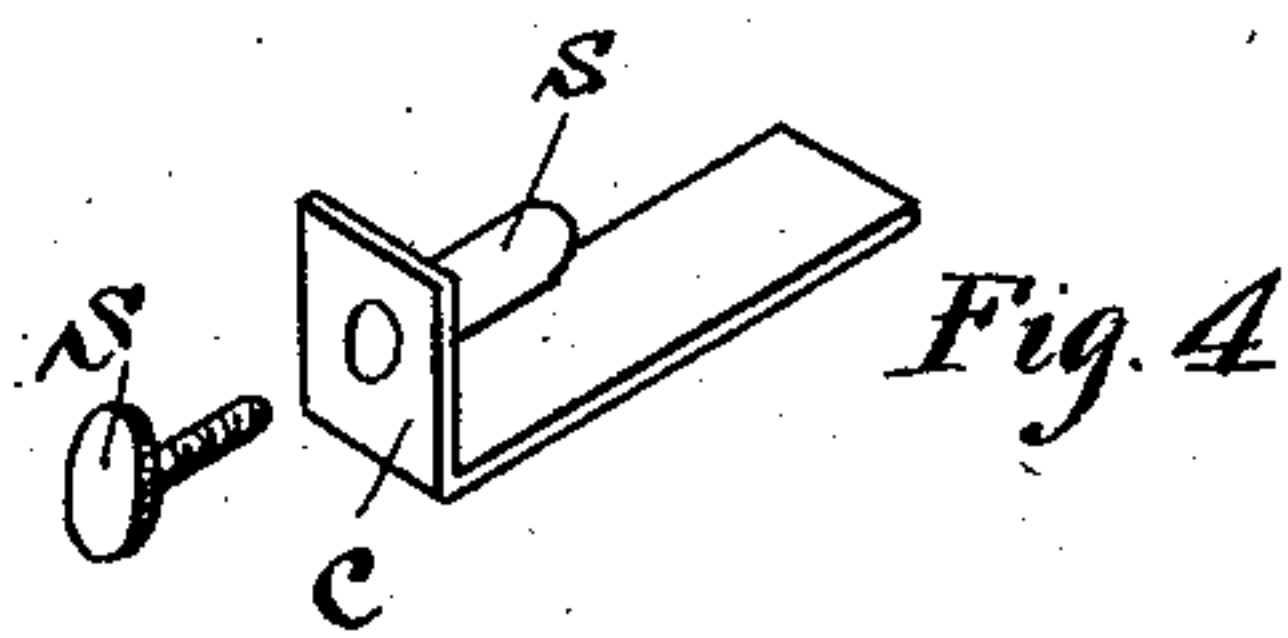
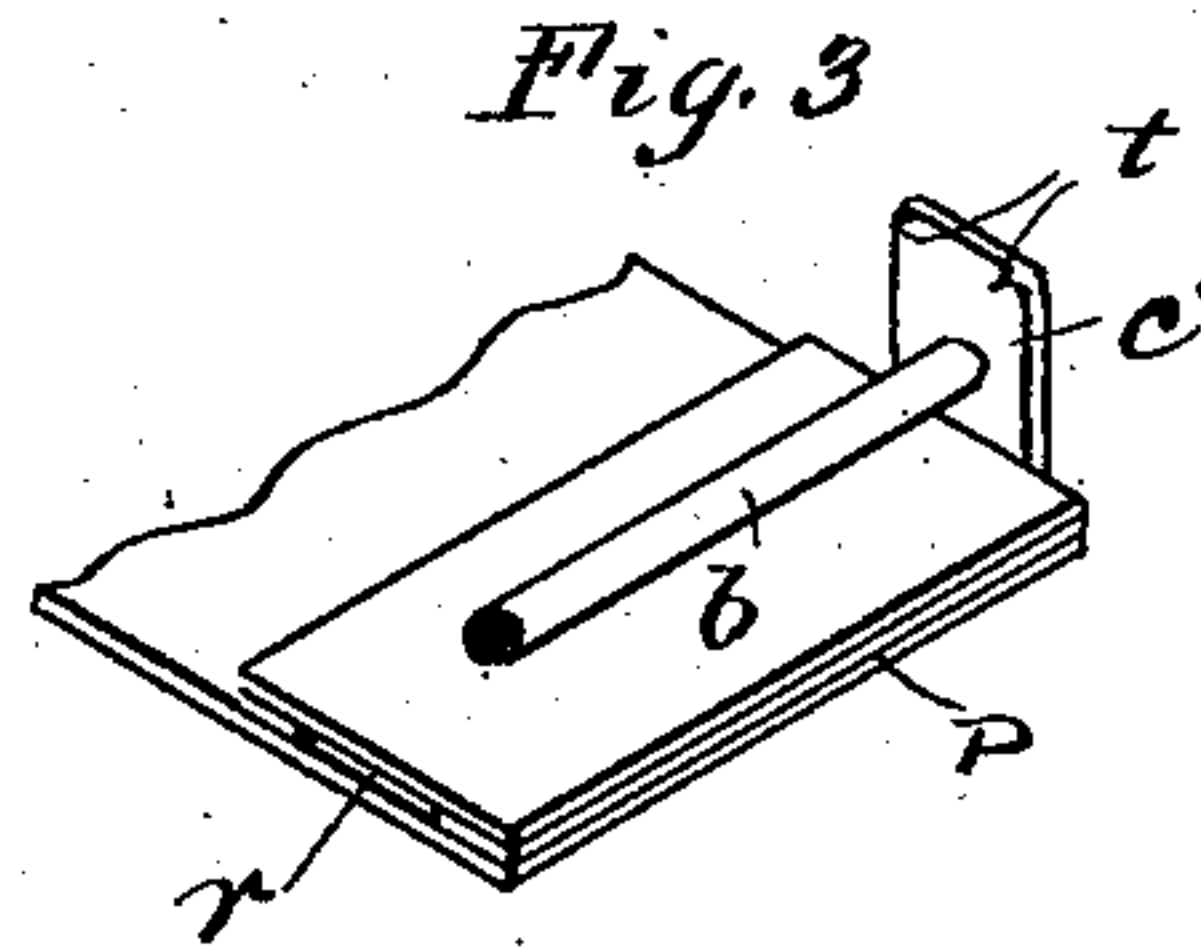
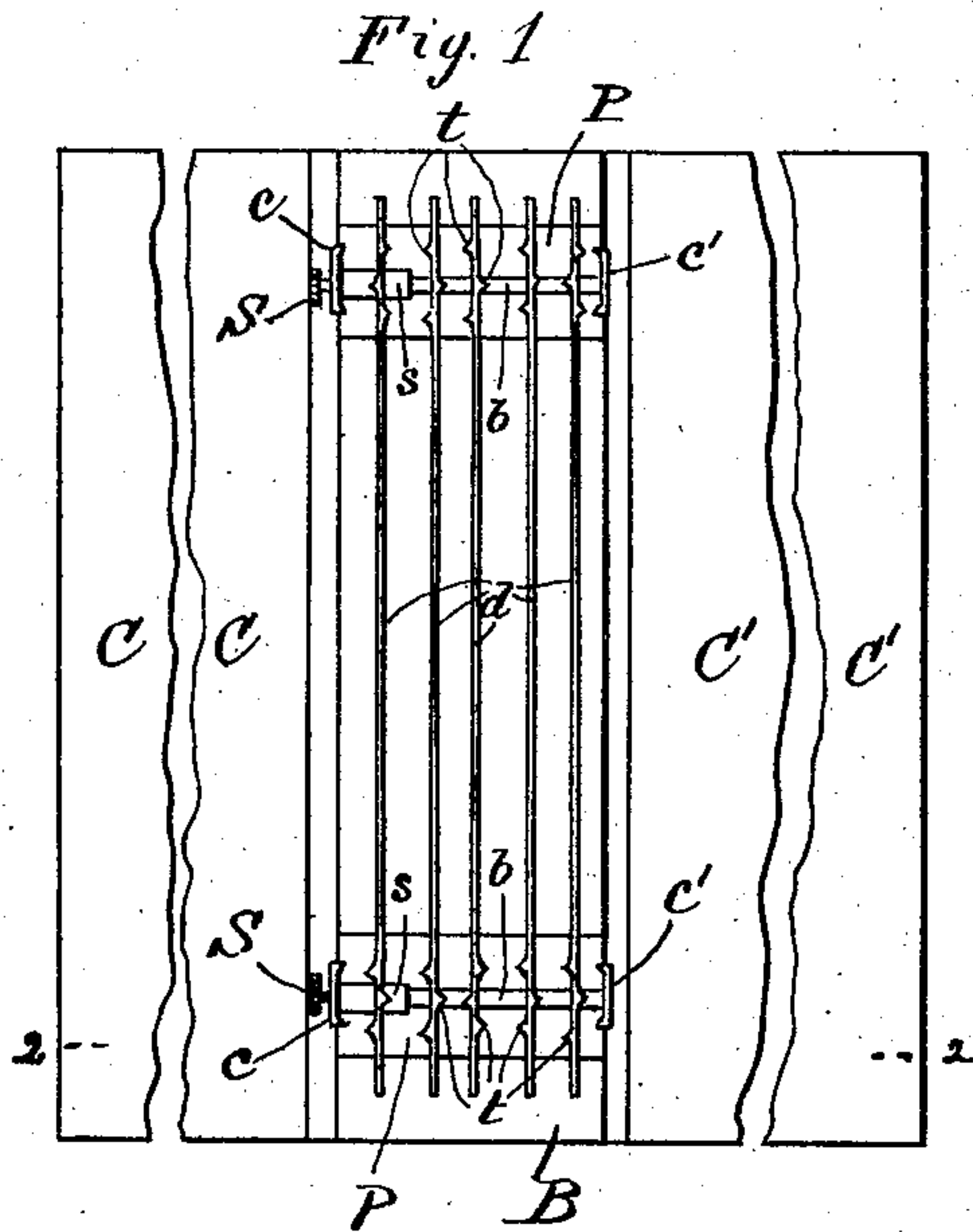


No. 860,118.

PATENTED JULY 16, 1907.

W. H. BAYLES.  
BINDER.

APPLICATION FILED APR. 17, 1906.



Witnesses  
Wm K. Gilchrist  
H. D. Barmore

Inventor  
William Harrison Bayles  
By his Attorney H. N. Verrill



# UNITED STATES PATENT OFFICE.

WILLIAM HARRISON BAYLES, OF NEW YORK, N. Y.

## BINDER.

No. 860,118.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed April 17, 1906. Serial No. 312,115.

*To all whom it may concern:*

Be it known that I, WILLIAM HARRISON BAYLES, a citizen of the United States of America, residing at Manhattan, in the city, county, and State of New York, have invented a new and useful Improvement in Binders, of which the following is a specification, reference being had to the accompanying drawings, forming part of the same.

Figure 1 is a plan view of a binder embodying my invention, the covers being broken to condense the figure. Fig. 2 is a section through such a cover holding a series of magazines on line 2—2 of Fig. 1. Fig. 3 is a detached view in perspective of a part of one member of the clamp I ordinarily employ. Fig. 4 is a similar view of the thumbscrew, the sleeve and the opposite member of the clamp. Fig. 5 is a front elevation of a modified form of clamp member I may employ. Fig. 6 is a view in perspective of a dividing holding strip I may employ with the clamp of Fig. 5, to accommodate a single pamphlet. Fig. 7 is a view in perspective of broken portions of the devices of Figs. 5 and 6, showing the manner of their combination to form a stop. Fig. 8 is a view in perspective, of another form of stop. Fig. 9 is a vertical, sectional view of a clamp, showing the stop of Fig. 8, as it is arranged in use.

My invention relates to binders, especially adapted to hold one or a series of pamphlets (particularly a series) in convenient covers for ready reference, but at the same time protected from unnecessary wear and, as to the series, so bound together that they will be kept together and may be handled all at once and easily examined without the necessity of separate handling for each individual pamphlet. Such a device to be acceptable must be adjustable to hold pamphlets of varying thickness, it must hold them firmly, it must be so simple that it will not get out of order and will not need a skilled bookbinder to operate, and it must also be so inexpensive as to warrant its use as a temporary expedient.

The device of my invention consists primarily in a clamp having rigid extreme members and intermediate pieces adapted to be moved on a suitable bar and to be placed between each two members of the series of pamphlets to be bound in it. In the one shown I have used an ordinary pasteboard cover having two sides, C C', and a back, B. The cover is not absolutely essential, but its use is preferred to protect the matter to be bound. To this cover I secure two clamps, or binders. I find it convenient and preferable to secure them to a flat metal plate.

The clamp consists of a rigid base plate, P, two rigid clamp members, c, c', which slide in and out in recesses, r, formed in the base plate, a cross bar, b, formed of a hollow tube, one end secured to one clamp member, c', a sleeve, s, secured to the other clamp

member, c, and a thumb screw, S, which projects into the sleeve, s, and takes in a thread cut on the interior of the tube or bar, b. For firm holding I employ two of such clamps, one at or near each extremity of the binder.

On the bar, b, I arrange a series of intermediate strips, d, apertured to slide easily on the bars and, preferably provided with holding teeth, t, projecting at each side, to engage the pamphlets to be bound.

In some styles, I form the clamp member, c', of a projecting part of the base plate, P, cut to suitable shape, and turned up to about a right angle with the remainder of the base as shown in Fig. 9. Then of course the other, c, is the only adjustable outer clamp member.

To use the binder, I slacken the thumb screws, place a pamphlet against one clamp member—say c', push one strip, d, closely against the other side of the pamphlet, place a second pamphlet against said strip, d, push up another strip, d, against the other side of the second pamphlet and continue till I have placed as many pamphlets as I wish and then turn down the thumb screw till the teeth of the second clamp member, c, are brought tightly against the other side of the last pamphlet placed, when they will all be held tightly bound together and ready for reference or convenient storing, if not to be used for the moment.

A simple clamp bearing against the outer side of each of the outer pamphlets would not hold the intermediate ones firmly. They would slip out and release the whole bundle. But in this device, each bundle is held on each side and the holding means are each firmly secured to the clamp, by being pierced by and held on the cross bar, b, the result being that the whole number are held firmly in position.

I do not limit myself to the exact form of clamp shown, nor do I limit myself to strips reaching from one clamp to the other. They might be short pieces, but they are more convenient to adjust when they are long enough to be supported at each end by the proximate bar.

The adjustability of the clamp members could be such as to permit them to be adjusted close enough one to the other to hold a single pamphlet, but in practice this is not convenient. If only one or two pamphlets are to be bound, blocks of wood or pasteboard may be inserted between the outer strip, d, and one of the clamp members, c, or c', or I may use the form of device shown in Figs. 8 and 9.

I may cut notches, n, in the bar, b, as shown in Fig. 5, and slot a strip, d' (preferably made heavier and more rigid than the others,) as shown in Fig. 6. Then having placed the single pamphlet or the number I wish to bind, insufficient to fill the binder, I push the strip, d', and any others that may be between it and the pamphlets, as close to the adjustable clamp mem-



ber as ordinary pressure will permit and force the strip  $d'$ , up or down till the edges,  $e$ , of the slots enter the notches,  $n$ , when strip  $d'$  will be held from lateral movement and will in turn act as an outer clamp member against which the stress of the adjustable clamp member may be brought to bear by turning down the thumb screw as before, thus locking in place the single pamphlet or the small number of pamphlets then to be bound.

10 In place of a stop of the character described, I may use that shown in Figs. 8 and 9. In that arrangement, the base plate,  $P$ , is provided with a series of recesses or stop holes,  $h$ , and a stop,  $S'$ , is used. It has an up-right plate,  $d^2$ , apertured as shown to permit its being  
15 slipped upon the bar,  $b$ , a base plate,  $d^3$ , at about a right angle to plate,  $d^2$ , and feet or pins,  $p$ , spaced and shaped to register with and enter the stop holes,  $h$ . I prefer to arrange it on the bar,  $b$ , with some strips,  $d$ , on each side of it, but with its horizontal plate,  $d^3$ , extending in a direction reverse to that in which I place  
20  $d^5$ , when I use the stop of Fig. 10. Then, having placed one or a small number of pamphlets as before, I press the stop,  $d^2$ , up close to it or them, as I did with  $d'$ , fitting the pins,  $p$ , into the holes,  $h$ , whereupon I may bind  
25 what I have by turning down the thumb screw,  $S$ , as described. By using two stops as outer clamping members, and one or more clamping strips between, I might dispense with clamp members,  $c$ ,  $c'$ , but it would not be so convenient.

30 For completeness, some form of stop is desirable, but I do not limit myself to the employment of either form shown, nor do I limit myself to a construction in which the clamping strips,  $d$ , are mounted on the cross bar in which the binding screw works.

35 What I claim and desire to secure by Letters Patent is:

1. In a binder, the combination of a rigid base plate, two outer clamp members, one of which is movable to or from the other, means for forcing one toward the other and an  
40 adjustable intermediate clamping strip adapted to be inserted between two pamphlets, and means for holding said clamping strip to the base plate, all substantially as set forth.

2. In a binder, the combination of a rigid base plate, two  
15 outer clamp members, one of which is movable to or from the other, a cross bar extending from one clamp member, a sleeve extending from the other clamp member, a thumb screw extending into the sleeve and engaging a thread cut in the cross bar and an intermediate adjustable clamping  
50 strip mounted upon the cross bar, all substantially as set forth.

3. In a binder, the combination of a rigid base plate, two outer clamp members, one of which is movable to or from the other, means for forcing one toward the other, an  
55 adjustable intermediate clamping strip, adapted to be inserted between two pamphlets, means for holding said

clamping strip to the base plate, and an intermediate stop adapted to limit the lateral movement of the said intermediate strip, all substantially as set forth.

4. In a binder, the combination of a rigid base plate, two  
60 outer clamp members, one of which is movable to or from the other, means for forcing one toward the other, a series of adjustable, intermediate clamping strips each adapted to be inserted between two pamphlets, and means for holding  
65 said clamping strips to the base plate, all substantially as set forth.

5. In a binder, the combination of a rigid base plate, two outer clamp members, one of which is movable to or from the other, a cross bar extending from one clamp member, a sleeve extending from the other clamp member, a thumb  
70 screw extending into the sleeve and engaging a thread cut in the cross bar, a series of adjustable, intermediate clamping strips each adapted to be inserted between two pamphlets and means for holding said clamping strips to the  
75 base plate, all substantially as set forth.

6. In a binder, the combination of a rigid base plate, two outer clamp members, one of which is movable to or from the other, a cross bar extending from one clamp member, a sleeve extending from the other clamp member, a thumb  
80 screw extending into the sleeve and engaging a thread cut in the cross bar, a series of adjustable, intermediate clamping strips mounted upon the cross bar, and an intermediate stop adapted to limit the lateral movement of the  
85 said intermediate clamping strips, all substantially as set forth.

7. In a binder, the combination of a pair of clamps each composed of a rigid base plate, two outer clamp members, one of which is movable to or from the other, a cross bar  
90 extending from one clamp member, a sleeve extending from the other clamp member, a thumb screw extending into the sleeve and engaging a thread cut in the cross bar, a series of adjustable, intermediate clamping strips, each adapted to be inserted between two pamphlets, means for  
95 holding said clamping strips to the base plate and an intermediate stop adapted to limit the lateral movement of said intermediate clamping strips, all substantially as set forth.

8. In a binder the combination of a rigid plate, a pair of outer clamp members connected to the rigid plate, a rigid cross bar, an intermediate clamping strip mounted  
100 on the cross bar and adapted to be inserted between two pamphlets and means for holding said clamp members and said strip in clamping position, all substantially as set forth.

9. In a binder, the combination of a pair of clamps each  
105 composed of a rigid base plate, two outer clamp members, one of which is movable to or from the other, an adjustable, intermediate clamping strip mounted upon a cross bar, a cross bar extending from one clamp member, a sleeve extending from the other clamp member, a thumb screw  
110 extending into the sleeve and engaging a thread cut in the cross bar, all substantially as set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses, this 12th day of April, 1906.

WILLIAM HARRISON BAYLES.

Witnesses:

ALBERT HEYL,  
A. G. N. VERMILYA.