

W. M. POINDEXTER.
BOOK SUPPORT AND ADJUSTABLE SHELF PARTITION.

APPLICATION FILED JULY 8, 1908.

903,769.

Patented Nov. 10, 1908.

2 SHEETS—SHEET 1.

Fig. 1.

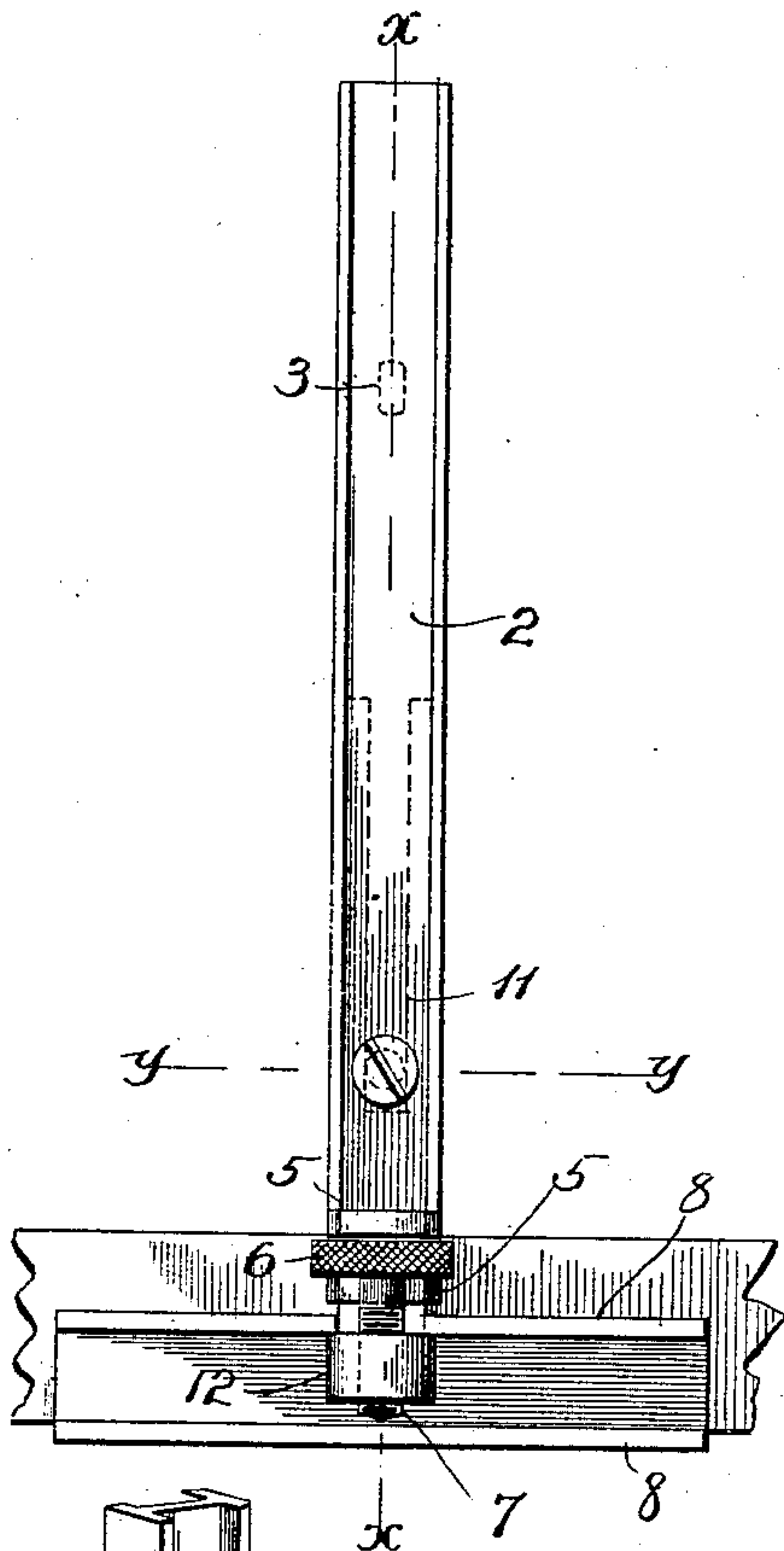


Fig. 2.

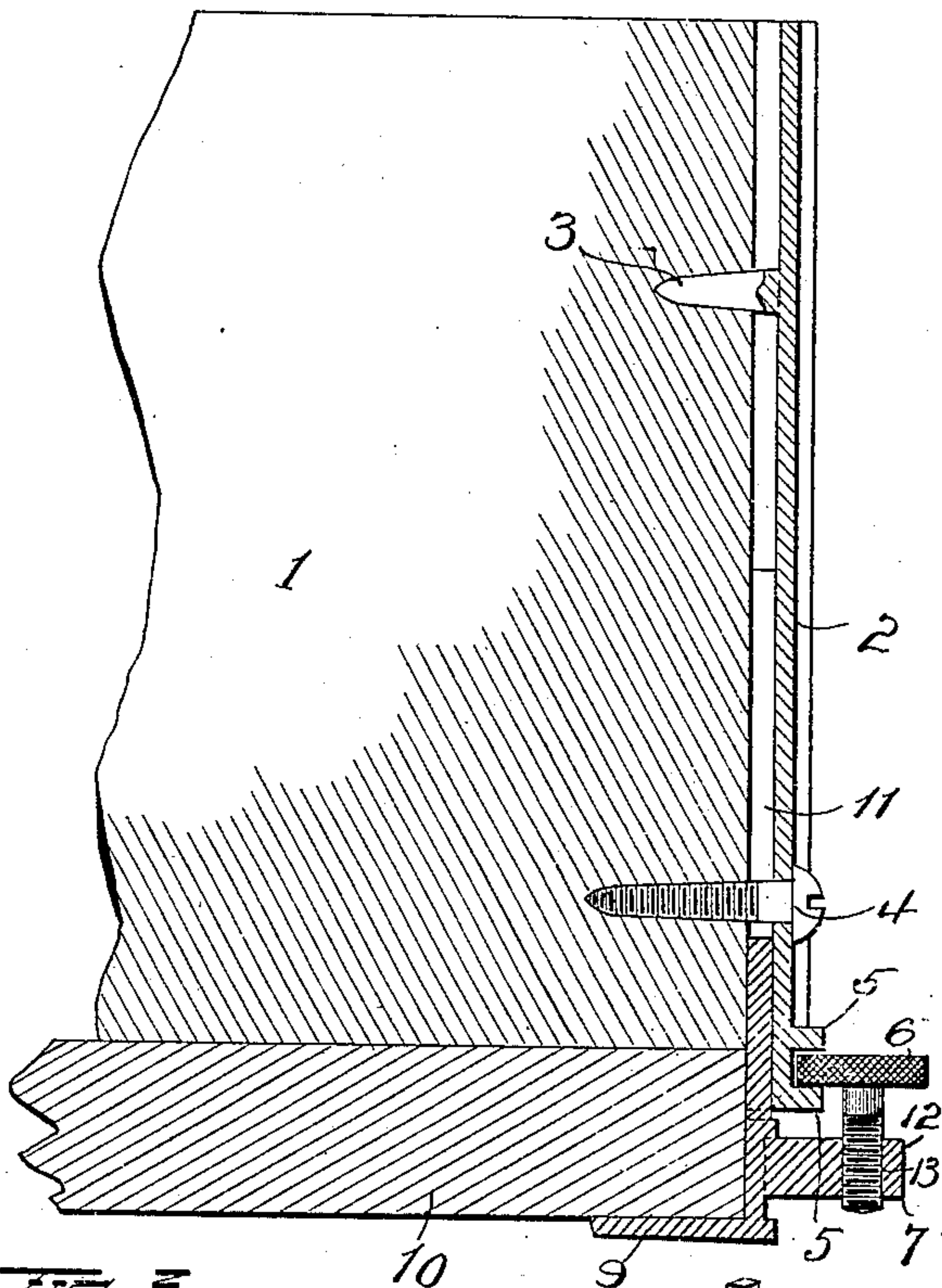


Fig. 4.

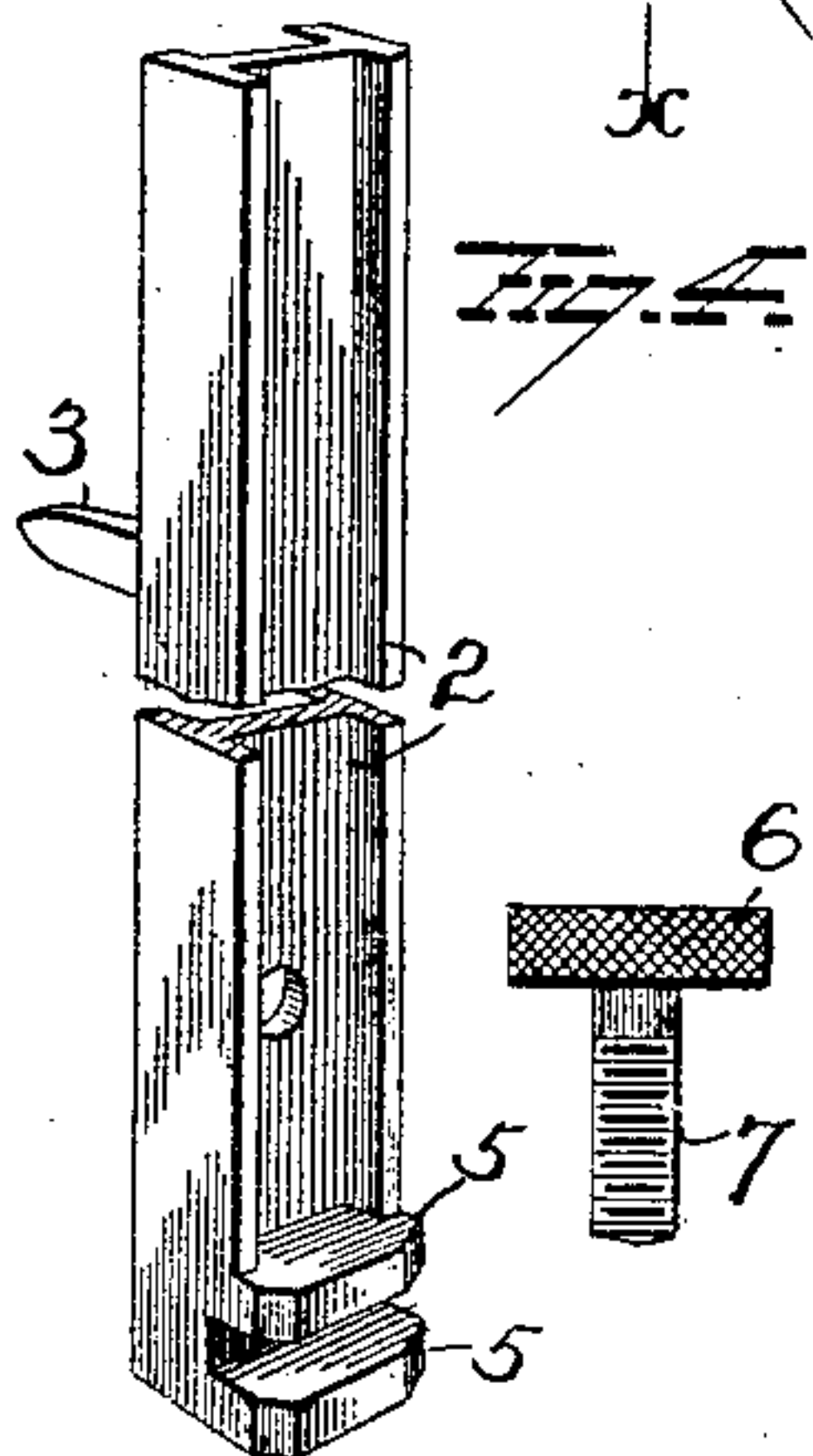


Fig. 5.

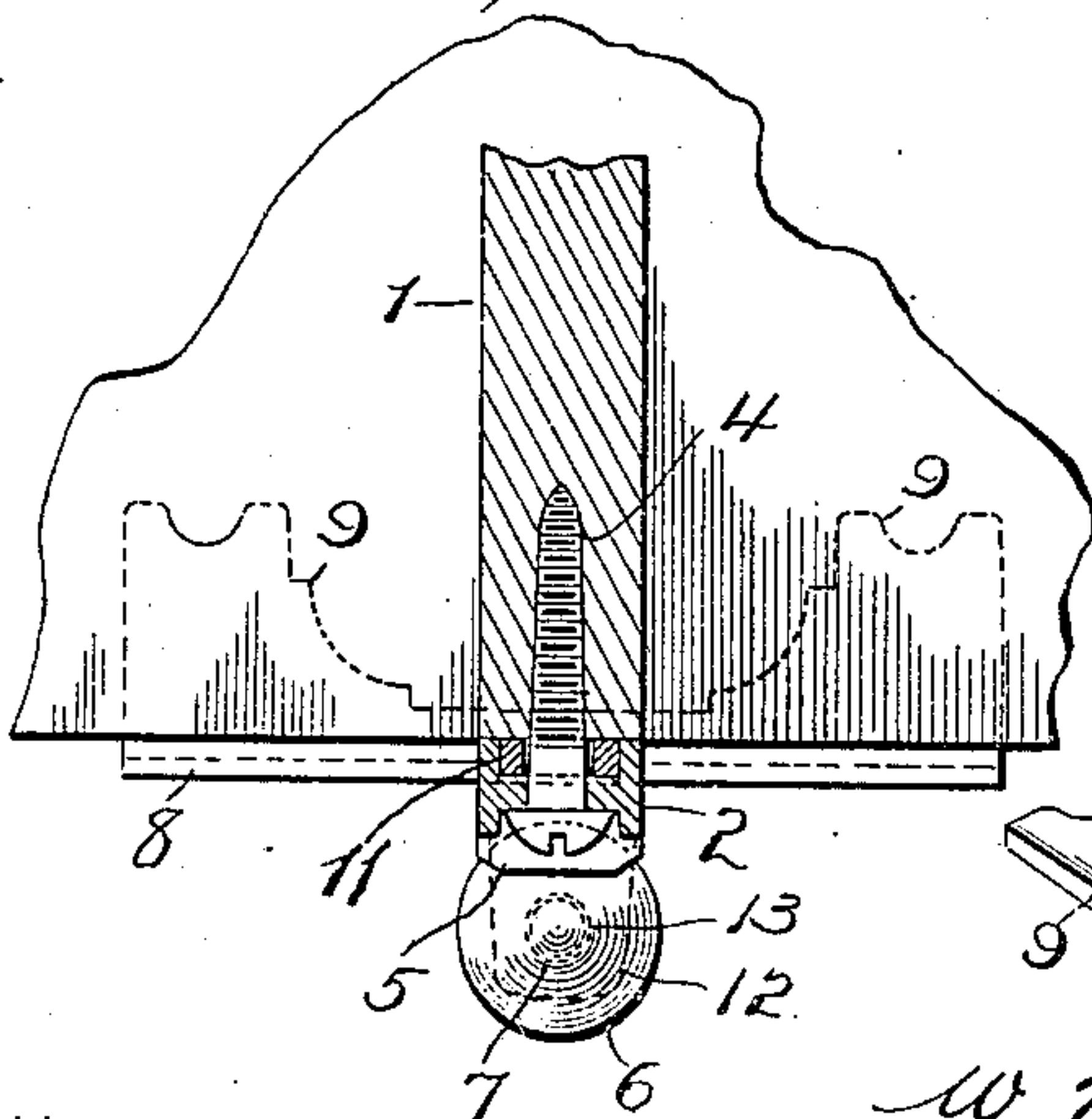
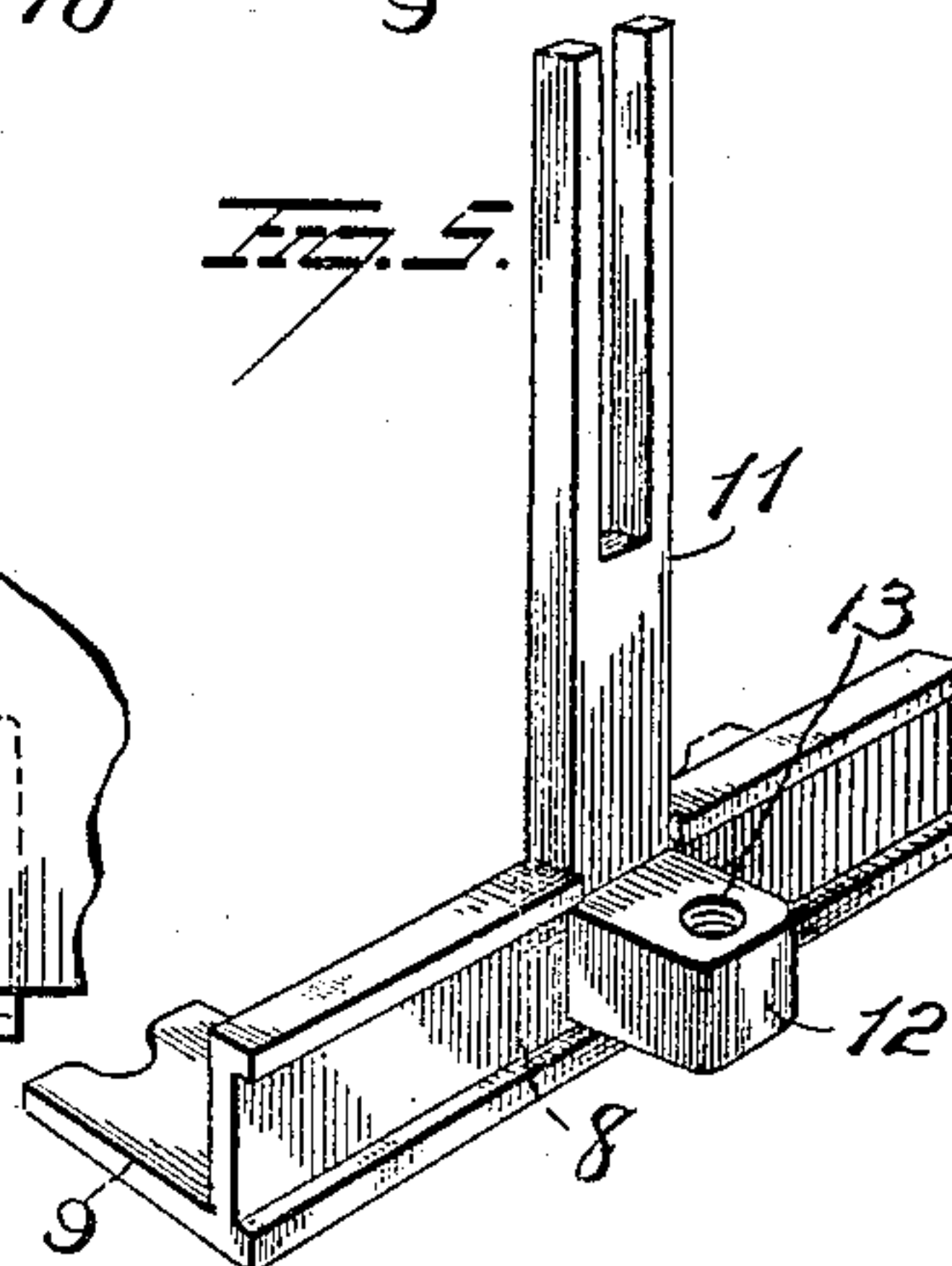


Fig. 5.



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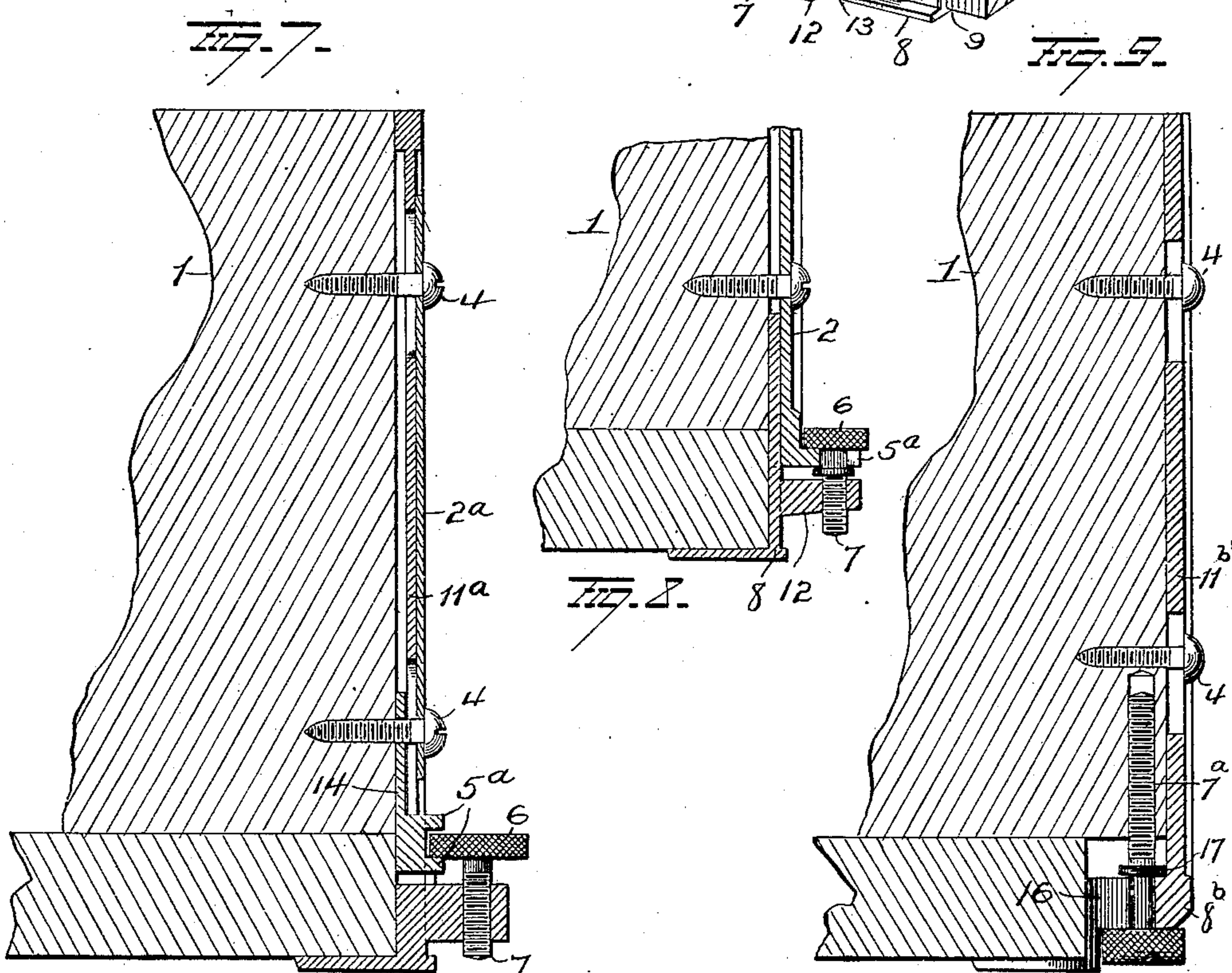
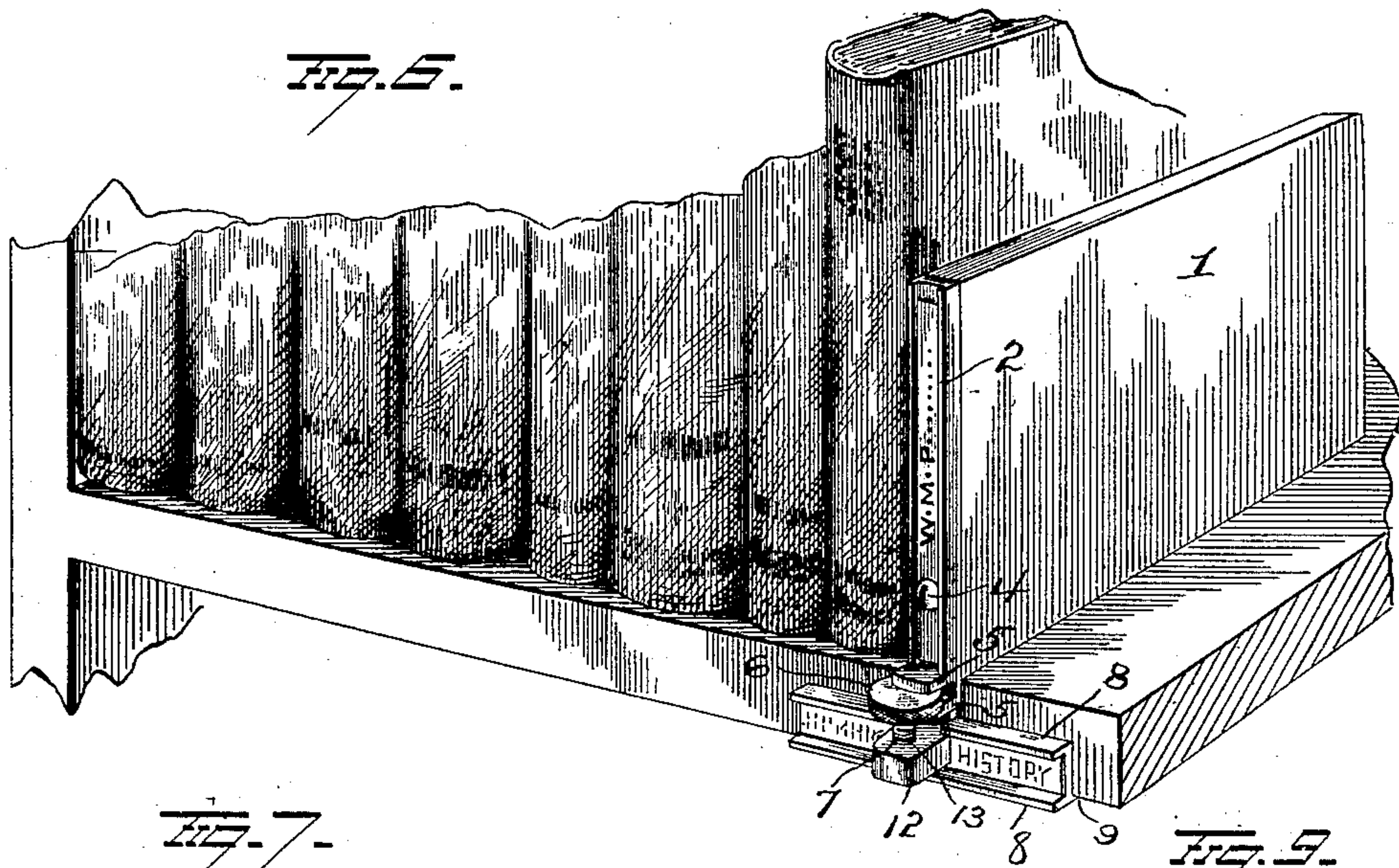
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BOOK SUPPORT AND ADJUSTABLE SHELF PARTITION.

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2 SHEETS—SHEET 2.

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UNITED STATES PATENT OFFICE.

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BOOK-SUPPORT AND ADJUSTABLE SHELF-PARTITION.

No. 903,769.

Specification of Letters Patent.

Patented Nov. 10, 1908.

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To all whom it may concern:

Be it known that I, WILLIAM M. POINDEXTER, of Washington, in the District of Columbia, have invented certain new and useful Improvements in Book-Supports and Adjustable Shelf-Partitions; and I do hereby 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.

My invention relates to an improvement in book supports or adjustable shelf partitions, and has for its object the novel construction of a simple, effective upright support, adapted to be attached to shelves for holding the books placed thereon, in the proper position, and it consists in the parts and combination of parts as will be more fully described and pointed out in the claims. In the accompanying drawings, Figure 1 is a view in front elevation showing my improved support. Fig. 2 is a view in vertical section thereof on the line $x x$ of Fig. 1. Fig. 3 is a view in horizontal section on the line $y y$ of Fig. 1. Fig. 4 is a view in perspective of the facing strip, the clamping screw being shown in elevation. Fig. 5 is a view in perspective of the clamping member. Fig. 6 is a view in perspective showing the support applied to a shelf and Figs. 7, 8 and 9 are views in vertical section of modified forms of clamping devices.

1 represents a support or partition, preferably made of wood and of a height that will permit it to be introduced between two shelves, and 2 is the facing strip, made of metal, and preferably of I-form in transverse section as clearly shown in Fig. 4. This facing strip is slightly longer than the partition 1 is deep, so as to extend from the upper edge thereof to a point slightly below the lower edge as shown in Fig. 2, and is provided on its rear face with a pointed lug 3, adapted to be driven into the end of the partition, and with a screw hole for the passage of the securing screw 4. This strip is also provided at its lower end, on its outer face, with the parallel shoulders 5, the latter being separated sufficiently to receive the edge of the head 6 of screw 7. The head 6, is disk shaped, and is milled on its periphery so as to enable it to be readily turned.

8 is the clamp, comprising the jaw 9 adapted to engage the under side of the shelf 10; an upright slotted shank 11 resting within the space between the facing strip 2 and the

front edge of partition 1, with the screw 4 passing through the slot in the shank, and the outwardly projecting lug 12, having a female threaded opening 13 for the reception of the screw 7.

When the parts are assembled as shown in Fig. 2, it will be seen, that, by turning the screw 7, its head bearing against the shoulders 5 on the facing strip, holds the screw against longitudinal movement, while the threaded shank of the screw, engaging the threads in lugs 12, moves the clamping jaw toward or away from the lower face of the shelf, the direction of movement being dependent on the direction of rotation of the screw. The shank 11 of the clamping jaw 8, rests against the outer edge of the partition in rear of the facing strip 2, and is held in position, guided in its movements, and retained against lateral displacement by the latter.

As shown in Fig. 6, the outer grooved face of the facing strip 2, forms a seat for a name plate or label which may be held in place by screw 4, while the recess in the outer face of the jaw 8, forms a convenient means for attaching other name plates or labels.

In the construction shown in Fig. 7, I have provided the clamping jaw with a shank 11^a extending approximately to the top of the partition or support 1, the said shank having elongated slots through which the securing screws 4 pass, the facing strip 2^a, which in this instance is a flat strip, resting in a recess in the outer face of the shank 11^a, and held in place by the screws 4.

The jaw 8 is provided with a lug 12, identical with that shown in the previous figures, while the head 6 of the screw 7 engages shoulders 5^a formed on the shank 14, the latter being secured to the edge of the support or partition, and in rear of the shank 11^a, by the lower screw 4, which as before explained assists in securing the facing strip 2^a in position.

In the form shown in Fig. 8, the construction is identical with that disclosed in Figs. 1 to 6 inclusive, except that I have omitted the shoulders 5, and provided the facing strip 2, with an outwardly projecting bifurcated seat 5^a on which the head 6 of the screw rests, and through which its shank passes to engage the threaded lug 12.

In the construction shown in Fig. 9 I have dispensed with the facing strip, and lengthened the shank 11^b of the clamping jaw 8^b to

approximately the height of the support of partition 2, and provided same with two elongated slots through which the screws 4 pass into said partition. These screws are normally, sufficiently loose to permit the shank to be moved in rear of the heads thereof, but may be tightened, after the support has been applied to the shelf, to assist the screw 7^a in holding the clamp solidly against the shelf. The screw 7^a is also elongated, and is seated in a slot 16, in the jaw 8^b, with its head bearing against the underside of the jaw in a plane approximately in line with the bottom of the shelf, and with its threaded shank resting in a threaded hole formed in the support 1, a collar 17 being provided, for holding the screw to the head when the support is not attached to a shelf.

In the several constructions above described, the clamping jaw may be adjusted by the screw to adapt the support to any ordinary size shelf, and when once applied form a solid and substantial support for the books on the shelf. Again, in all the constructions the heads of the screws rest in a plane above the lower edge of the shelf to which the support is secured and do not interfere in the slightest with the removal of the books on the shelf next below. It is also clearly evident that the clamp may be attached to the shelf with its partition depending from the latter, without interfering with the free handling of the books on the shelf to which the clamp is attached.

It is evident that many slight changes might be resorted to in the relative arrangement of parts shown and described without departing from the spirit and scope of my invention hence I would have it understood that I do not wish to confine myself to the exact construction herein shown and described, but,

Having fully described my invention what I claim as new and desire to secure by Letters Patent, is:—

1. In a book support, the combination with a partition or support, of a clamping jaw for engaging the shelf and having an integral shank resting and moving against the outer edge of the partition or support, means for attaching the jaw and its shank to the support and a screw having a bearing in a fixed part and engaging the clamping jaw for adjusting the latter relatively to the support.

2. In a book support the combination with a support or partition, of a clamping jaw for engaging the shelf and having an integral slotted shank resting and moving against the outer edge of the partition or

support, a screw passing through the slot in the shank and into the partition or support, and a screw having a bearing in a fixed part and engaging the clamping jaw for adjusting the latter relatively to the partition or support.

3. In a book support the combination with a partition or support, of a clamping jaw having an integral shank the latter adapted to rest and move in contact with the end of the support or partition, a facing plate secured to the support or partition and covering the shank, a screw engaging a threaded lug on the clamping jaw, and a fixed seat for supporting the head of the screw.

4. In a book support, the combination with a partition or support, of a clamping jaw having an integral slotted shank, a facing plate secured to the end of the partition over said shank and a screw the head of which has a bearing or a seat fixed with relation to the facing plate, the shank of the screw engaging a threaded opening in a lug on the clamping jaw.

5. In a book support the combination with a partition or support, of a clamping jaw having a slotted shank, a facing plate secured to the end of the support or partition over the shank, and a screw the head of which engages parallel shoulders fixed with relation to the facing plate, the shank of the screw engaging a threaded opening in a lug on the clamping jaw.

6. In a book support, the combination with a partition or support, of a clamping jaw having a slotted shank, a facing plate secured to the end of the partition or support over the shank and provided with integral parallel shoulders, and a screw the head of which engages said shoulders, the shank of the screw passing through a threaded opening in a lug on the clamping jaw.

7. In a book support, the combination with a partition or support, of a clamping jaw having a shank, a facing plate I-shape in cross section secured to the end of the partition or support over said shank and provided with a seat for a screw, and a screw the head of which is mounted on said seat, the threaded shank of the screw engaging a threaded lug on the clamping jaw.

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

WILLIAM M. POINDEXTER.

Witnesses:

A. W. BRIGHT,

R. S. FERGUSON.