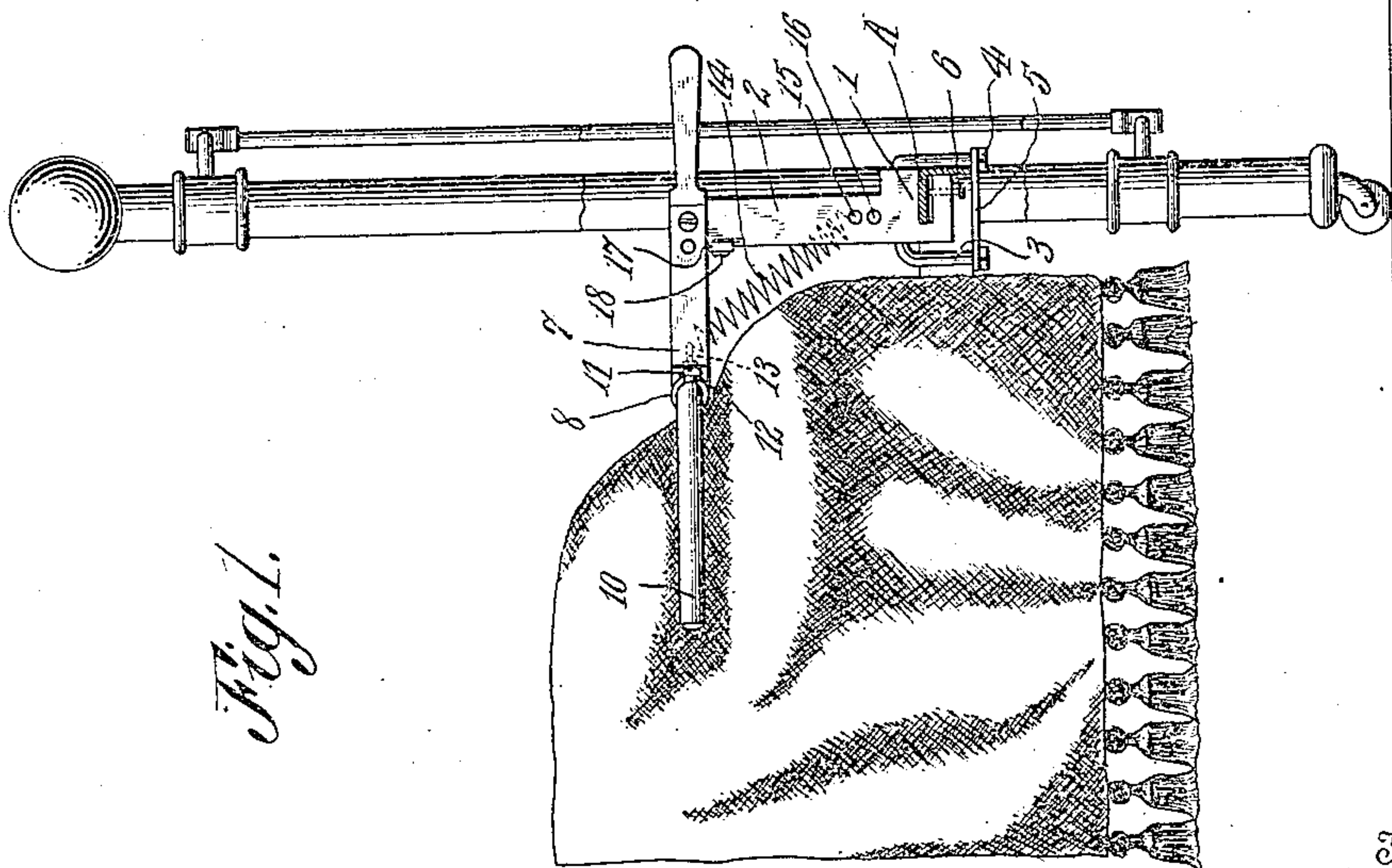


APPLICATION FILED DEC. 21, 1909.

2 SHEETS—SHEET 1.

Fig. 2.

This diagram shows a cross-section of a mechanical assembly. At the top, there are two large circular components, possibly pistons or valves, connected by a horizontal rod (1). Below this, a central vertical rod (2) passes through a series of components including a valve (3), a piston (4), and a connecting rod (5). The assembly is housed within a rectangular frame (6) with a central opening (7). The bottom of the frame is filled with a hatched material (8). Various other parts are labeled with numbers: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20. The entire device is shown in a perspective view, with the front face of the frame and the internal components clearly visible.



Witnesses  
J. H. Crawford  
James W. Kozel

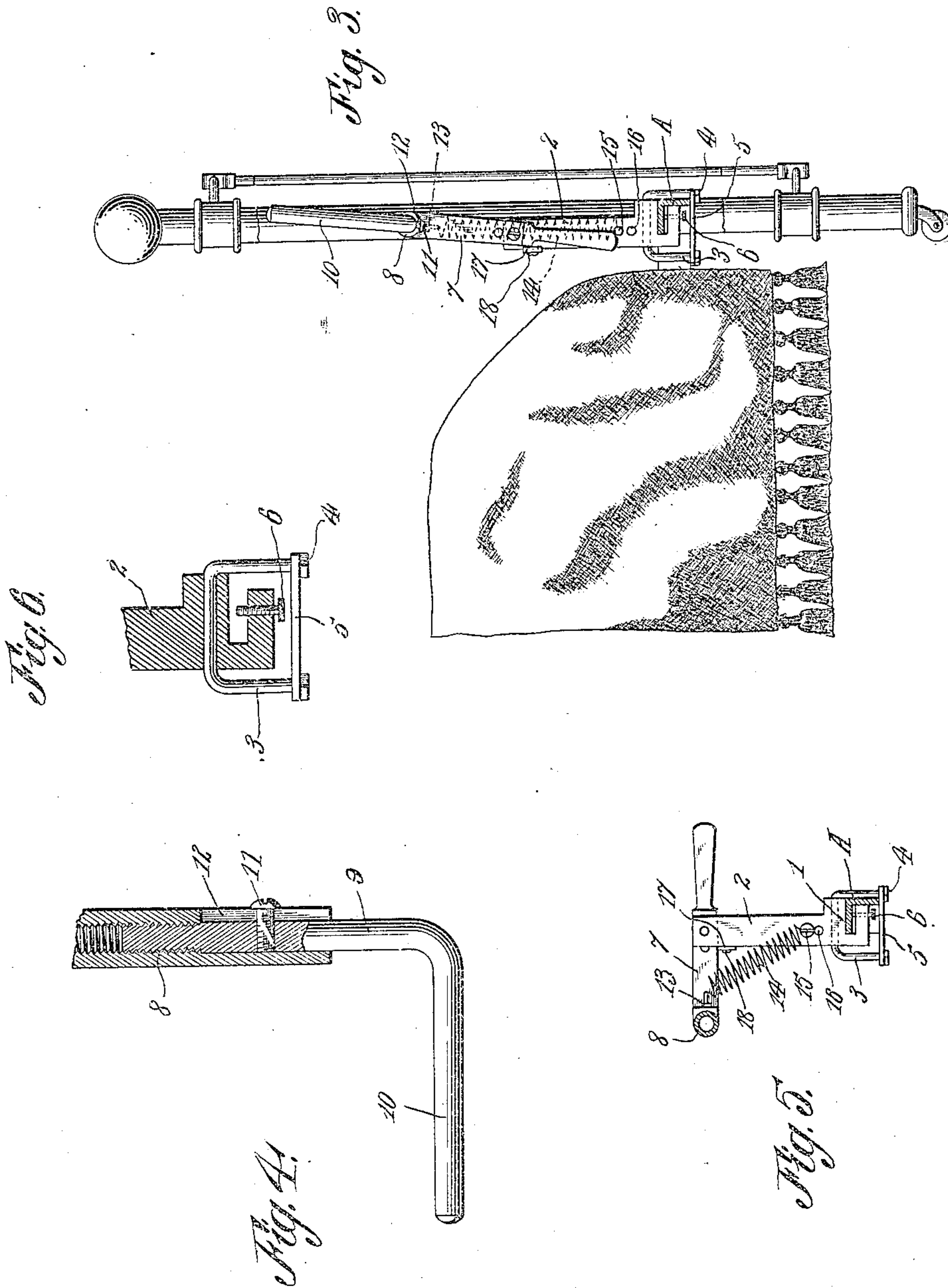
By *Victor J. Evans*  
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S. E. LOFLAND.  
COVER CLAMP.  
APPLICATION FILED DEC. 21, 1909.

953,536.

Patented Mar. 29, 1910.

2 SHEETS—SHEET 2.



Witnesses  
J. H. Crawford  
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# UNITED STATES PATENT OFFICE.

SAMUEL E. LOFLAND, OF KANSAS CITY, KANSAS.

## COVER-CLAMP.

953,536.

Specification of Letters Patent.

Patented Mar. 29, 1910.

Application filed December 21, 1909. Serial No. 534,355.

*To all whom it may concern:*

Be it known that I, SAMUEL E. LOFLAND, a citizen of the United States, residing at Kansas City, in the county of Wyandotte and State of Kansas, have invented new and useful Improvements in Cover-Clamps, of which the following is a specification.

This invention relates to cover clamps, and has for an object the provision of a device that can be conveniently applied to the foot of the bed and mounted thereon whereby the clamp of the cover is adjustable toward or away from the mattress of the bed.

Another object of the invention is to provide a clamp of the nature described with means permitting it to be adjusted to accommodate its engagement with mattresses of various widths.

Another object is to provide a clamp in which the jaw members thereof can be moved to such positions as prevent their acting as obstructions during the operation of making the bed or turning the mattress.

In the drawings, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a detail side elevation of a portion of a bed showing my improved cover clamp in its applied position. Fig. 2 is a top plan view of a portion of a bed showing the clamp applied thereto. Fig. 3 is a view similar to Fig. 1, the jaw members of the clamp being shown in their elevated positions. Fig. 4 is a sectional elevation of the head member and one of the jaws thereof. Fig. 5 is a detail section taken on the line 5—5 of Fig. 2. Fig. 6 is a detail section through one of the foot members of the clamp showing the means for attaching it to the foot rail of the bed.

The rail A or foot piece of the bed is of angle iron form as shown, the horizontal flange thereof being mounted in the slots 1 in foot members or supports 2. These supports are provided with U's 3 whose depending arms straddle the foot bar of the bed as shown particularly in Fig. 5 of the drawing. The lower extremities of the arms have adjustably mounted thereon clamping nuts 4 which are adapted for clamping engagement with clamping plates 5, the said plates being adapted to be engaged with the lower edge of the depending flange of the foot piece to hold the members or supports 2 in their applied positions.

Suitable set screws 6 are carried by the supports 2 and are adapted to be engaged with the angle iron foot member of the bed to hold them more effectively against casual displacement.

Operating levers 7 are pivotally mounted upon the supports 2. These levers are secured to a hollow head member 8 which extends transversely of the bed and in parallel relation to the foot piece A thereof. The head member is threaded at its ends to receive the correspondingly threaded portions of rods 9. These rods are bent to form right angularly disposed jaws 10 which, incident to the described manner of connecting the rods with the head member are adapted to be adjusted toward or away from the ends of the head member so that they may be operated to accommodate them to a mattress of a given width. To hold the rods 9 against rotation in the head member after the jaws 10 have been adjusted to the desired extent clamping screws 11 are engaged in correspondingly threaded passages in the rods and are passed between the walls of longitudinally extending slots 12 at the ends of the head member. These screws are removable to allow rotation of the rods in the head member when it is desired to change the adjustment of the jaws 11. The fastenings 13 which secure the levers with the head member are formed to provide eyes with which the outer ends of helical retractile springs 14 are engaged, the opposite ends of the said springs being secured upon vertically adjustable screws 15 upon the supports 2. The vertical adjustment of each screw is provided through the provision in its engaged foot member or support of a vertical series of screw-receiving passages 16. This construction enables the operator of the device to vary the tension of the springs as will be appreciated. Removable stop plates 17 are secured by means of screws 18 to the supports 2.

Upon reference to Fig. 1 of the drawings it will be seen that when the levers 7 are moved to assume their operative positions they will be engaged by the upper edges of the stop plates and held against further movement. When the levers have been operated to assume the position shown in Figs. 1 and 2 of the drawings the jaws 10 will be positioned to straddle the sides of the mattress causing the covers to be effectively en-



gaged with the mattress. The head member 8 will be yieldingly engaged with the covers at the foot of the bed to hold them more effectively against displacement. When it is  
 5 desired to make the bed the levers 7 are actuated to assume the position shown in Fig. 3 of the drawings. In these positions of the levers they will be engaged by the stop plates and held in such position that, incident to  
 10 the provision of the springs 14, their energy will be exerted to hold the head member 8 and the jaws 10 in elevated positions. It will be seen that when the cover clamp is not in use it can be conveniently moved to  
 15 an inoperative position whence the covers can be readily changed or the mattress turned from one side to the other without the clamp serving in any way as an obstruction. By providing the clamping screws 6 it  
 20 will be seen that the apparatus may be conveniently applied to the ordinary tubing or cylindrical foot piece.

I claim:—

1. A cover clamp for beds comprising a  
 25 pair of spaced supports mounted upon the foot of the bed, levers pivoted to the supports, means upon the supports for engaging the levers to limit their movements in two directions, a head member operatively  
 30 connecting the levers, means for holding the head member yieldingly engaged with the cover, and jaw members extending at right angles to the head member and adapted to be engaged with the cover to hold it against

the sides of the mattress at the foot of the 35 bed.

2. A cover clamp for beds comprising a vertically movable head member, spring means for yieldingly holding the head member engaged with the cover, said spring  
 40 means serving to hold the head member in an inoperative position when the head member is moved upwardly and outwardly in a vertical direction, and jaws adjustably  
 45 mounted on the head member and adapted to be engaged with the cover to hold it against the mattress.

3. A cover clamp for beds comprising removable supports mounted upon the foot of the bed, stops mounted upon the supports,  
 50 levers pivoted on the supports and adapted to be engaged with the stops to limit the movements of the levers in two directions, spring means connecting the levers with the  
 55 supports, a head member carried by the levers and adapted to be yieldingly engaged with the cover at the foot of the bed, and adjustable jaws at the ends of the head member adapted to be engaged with the cover to  
 60 hold it against the sides of the mattress at the foot of the bed.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL E. LOFLAND.

Witnesses:

A. HUBER,  
 F. W. LANGWORTHY.