

H. SMITH.

AWNING.

APPLICATION FILED MAR. 12, 1909.

Patented Jan. 4, 1910.

945,055.

Fig. 1

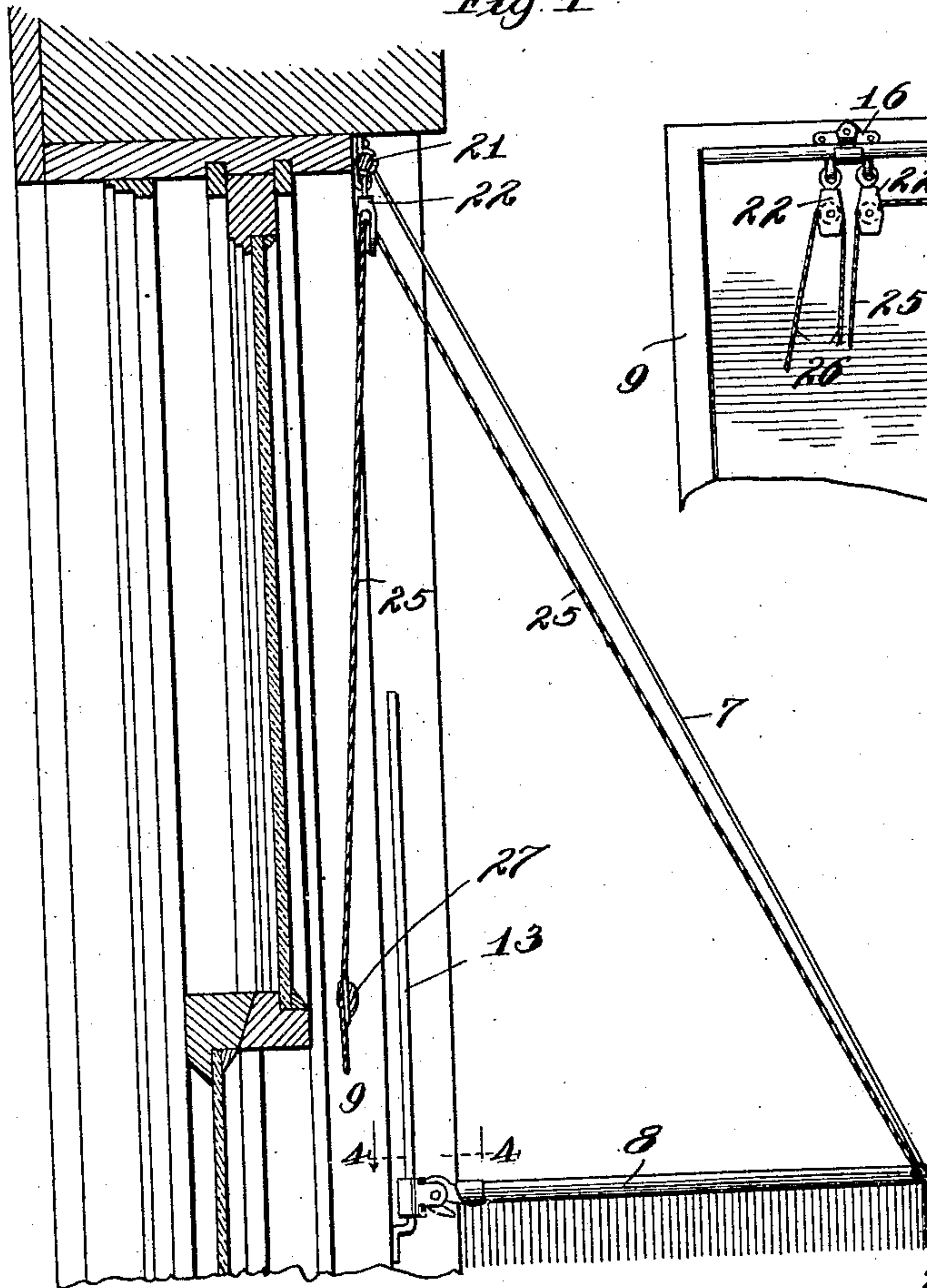


Fig. 2

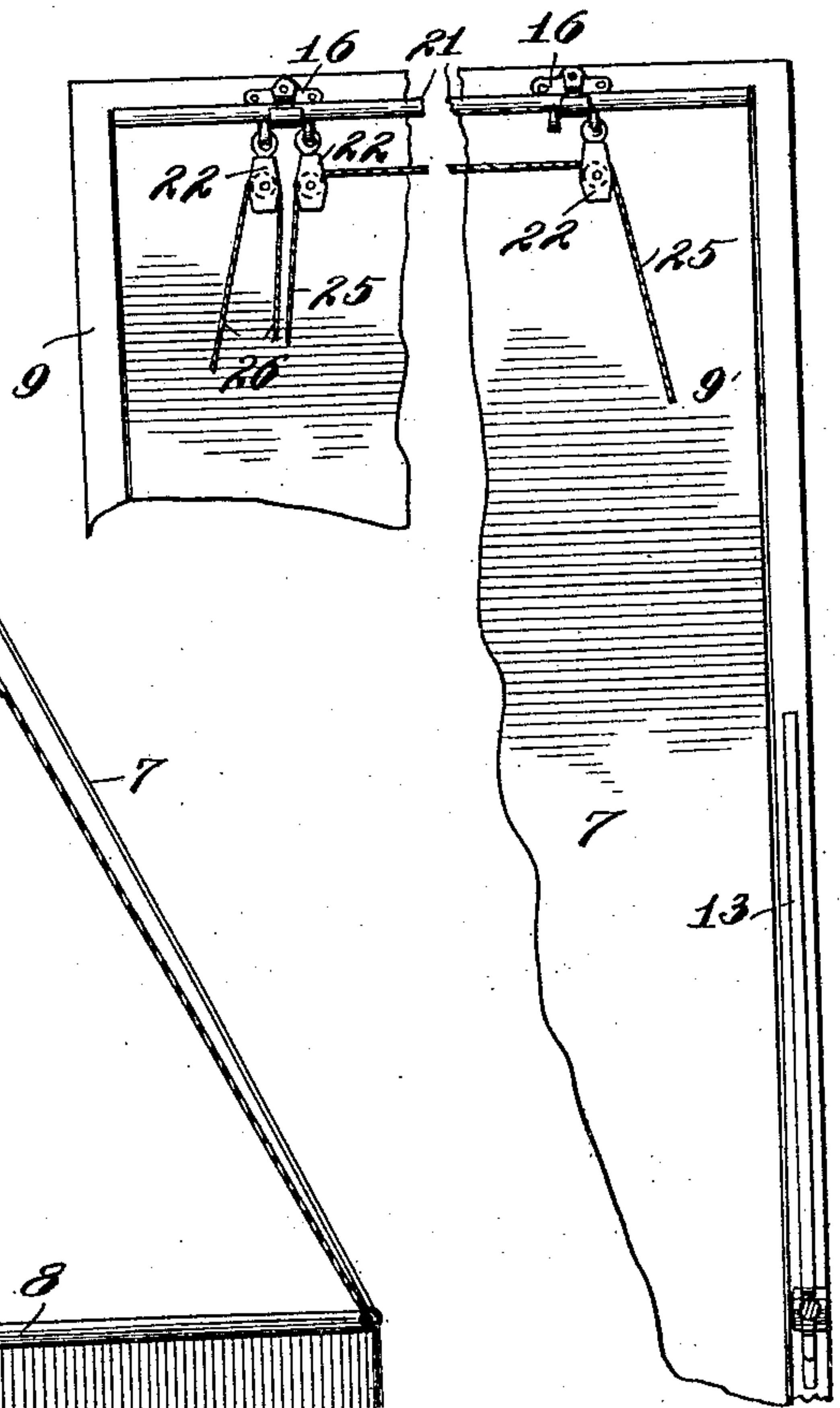


Fig. 4.

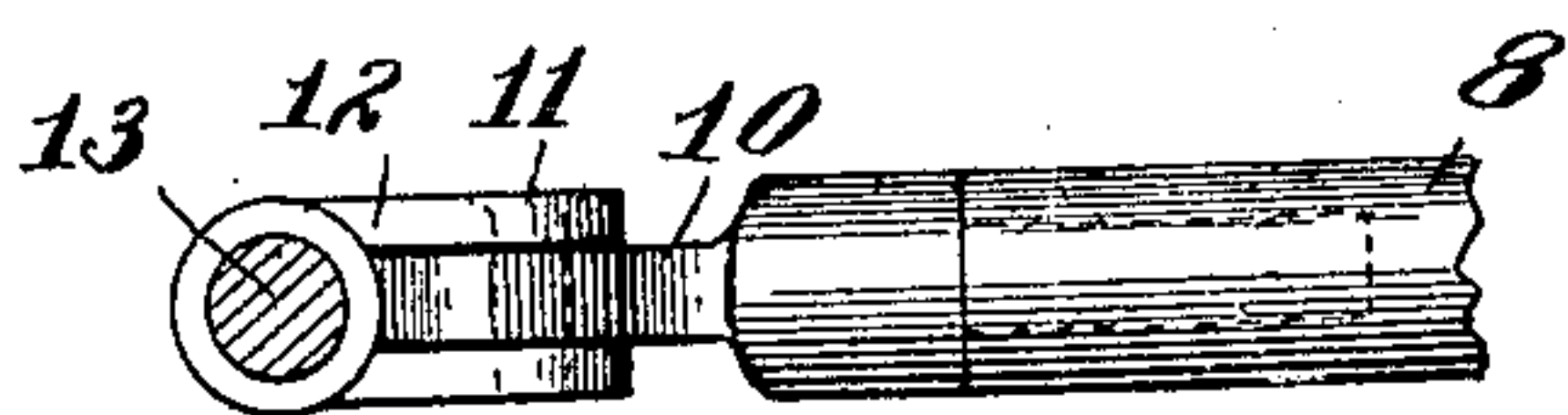


Fig. 3.

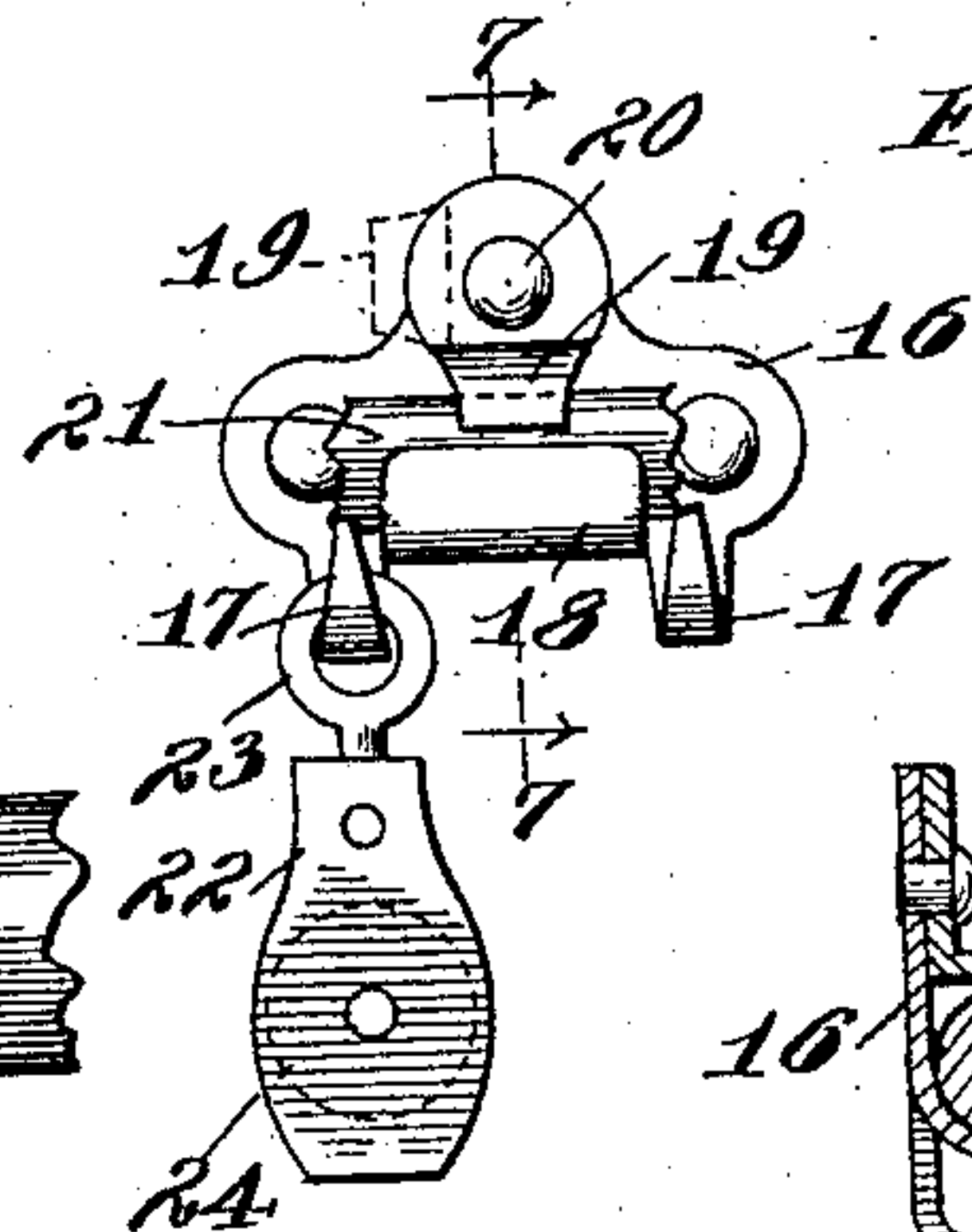


Fig. 6.

Fig. 5

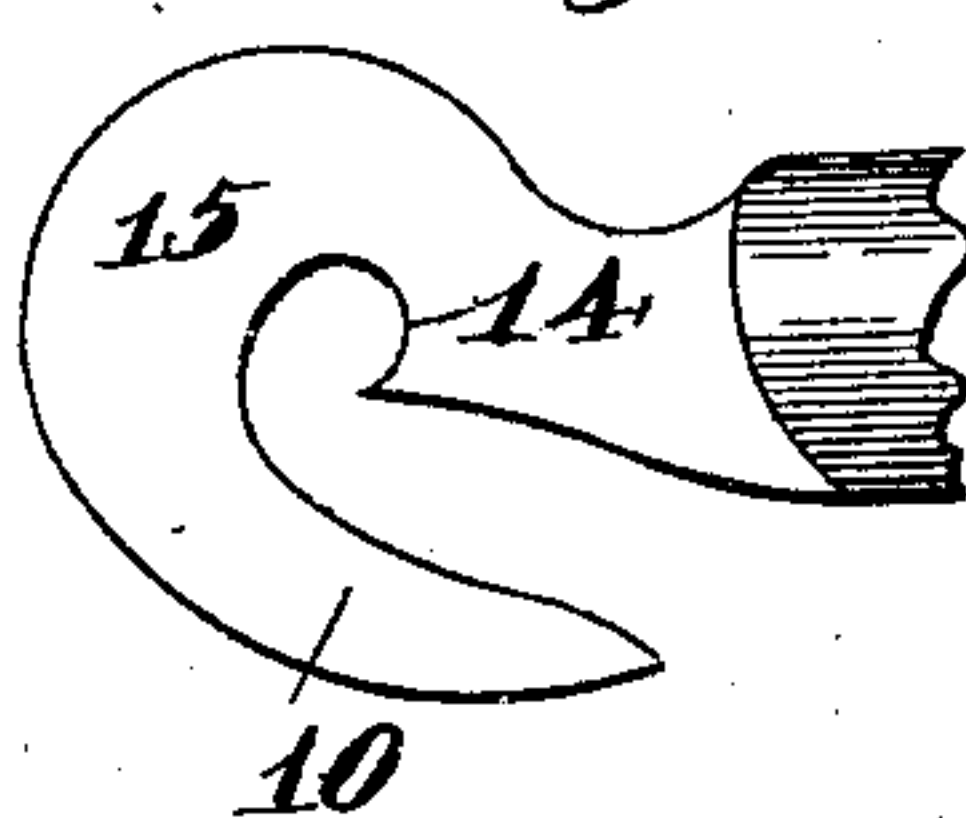
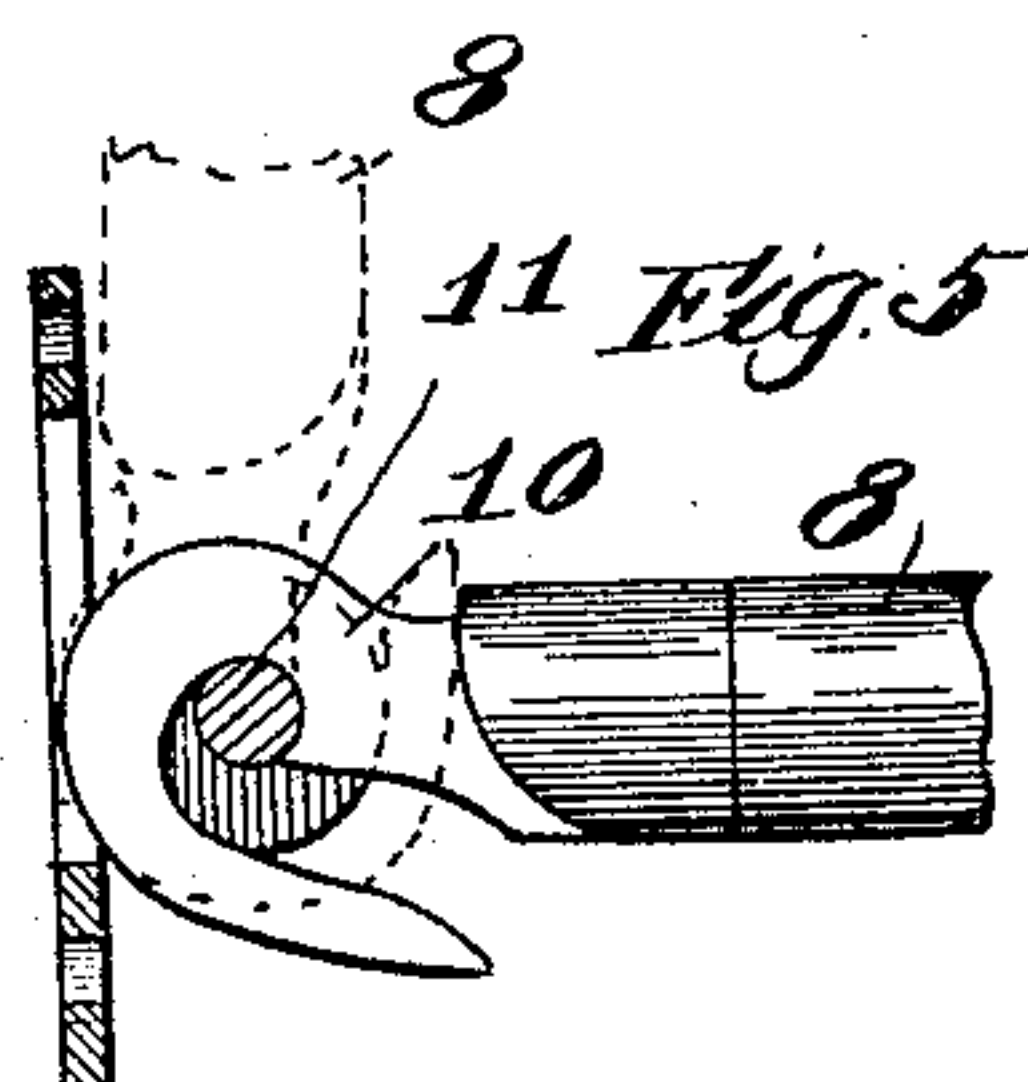
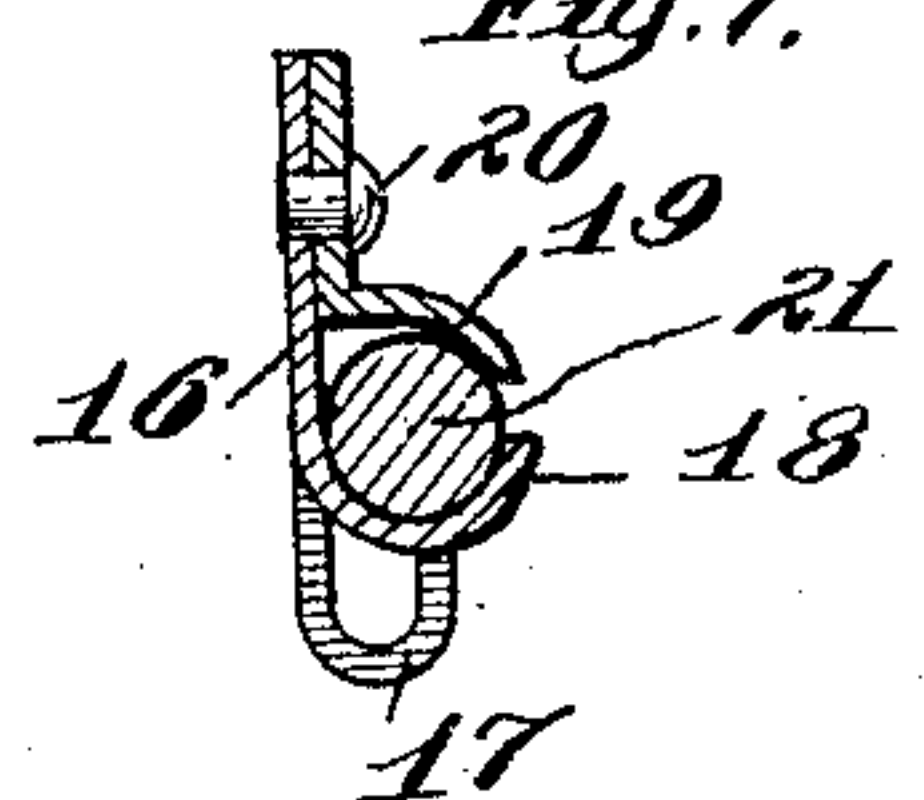


Fig. 7.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY SMITH, OF CHICAGO, ILLINOIS.

AWNING.

945,055.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY SMITH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Awnings, (Case No. 2,) of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to awnings and particularly to certain new and useful improvements in fixtures therefor, and consists in the matter hereinafter described and pointed out in the claims.

In the accompanying drawings showing details of my improvements, Figure 1 is a sectional elevation of a window and its awning embodying my improvements, parts being broken away; Fig. 2 is a front elevation of parts shown in Fig. 1; Fig. 3 is a detail side view of a hook; Fig. 4 is a sectional view on the line 4—4 of Fig. 2; Fig. 5 is a part sectional and part side view of the hook and a jaw-hinge therefor; Fig. 6 is a detail front view of one of the top brackets, head rod and rope-blocks; Fig. 7 is a sectional view on the line 7—7 of Fig. 6.

In the drawings the reference numeral 7 indicates an awning of usual form having a front and side wings, the lower end being connected to the usual frame 8 which is pivoted on the window-casing 9. In the present invention the ends of the frame 8 are provided with hooks 10 adapted to take over screws 11 secured in jaws 12 which may be either the usual jaw hinges adapted to be secured to the casing as in Fig. 5 or the usual jaw slides adapted to run up and down on slide rods 13 secured to the casing as in Fig. 4. The hooks are provided with undercut recesses 14 and their heads or bodies are widened as at 15 in the direction away from their ends so that when they are inserted over the screws 11 and swing up to horizontal position which they normally occupy the enlarged heads prevent them from becoming displaced as they rest against the casing 9 or the rod 13 as the case may be and so hold the undercut snugly against its screw. By this construction the undercut prevents the hooks from rising off their screws as when the awning is blown upwardly by the wind. The seats for the hooks formed by the screws 11 and their associated parts may of course be permanently attached to the casing, and the hooks may be easily and readily at-

tached thereto or detached therefrom by an unskilled laborer or the owner of the awning.

The upper portion of the awning may be provided with the usual head-rod and at the top I provide a ready means for attaching and detaching the awning, and which may also be a combined head-rod holder and block support. Upon the upper margin of the casing I attach two plates 16 having downwardly projecting and laterally opening hooks 17, each plate preferably having two such hooks suitably spaced apart at its ends. The depending portion of the plate between the hooks is turned up to form a trough or shelf 18, and the ends of the hooks preferably extend up to the line of the trough or above the same as shown in Fig. 7. The plate is also provided above the trough with a turn-button latch 19 mounted on a headed pin or stud 20 and adapted to be swung up to the dotted line position shown in Fig. 6.

The awning is suitably provided at its upper end with a head-rod 21 in a fold thereof, the material of the awning being cut-away at or near the holders so that the rod may be inserted in the trough or shelf 18, the latch 19 being turned up for this purpose, and when the latch is turned down to position it practically closes the trough to securely hold the rod in position along the upper edge of the window. The holders support suitable blocks 22 hung thereon by eyes 23 and having sheaves 24 for the operating ropes 25 and 26; when the blocks are attached to their hooks and the rod 21 is in place the eyes cannot work off the hooks because the ends of the hooks are preferably flush against the rod. Each holder accommodates two blocks preferably so that the ropes may work to either side of the window, although only one block will be used upon the holder at the side of the window opposite the side to which the free ends of the ropes are directed. The ropes are attached at one end to the frame 8 and the rope 25 (in the present illustration) passes over the single block to one of the pairs of blocks on the other holder, while the rope 26 leads from the frame over the other block of the pair, and the adjacent free ends of the ropes then hang down in position to be grasped by the operator and wound around the usual awning-cleat 27.

By means of this invention the holders may be permanently set on the casing, so that the wood work is not damaged by annually boring fresh screw holes every time the awn-

ing is installed as is necessary owing to the tendency of the screws to work loose when inserted in old holes, and the awning with its blocks is readily and easily installed and
5 removed by unskilled labor. All that is required is to attach or detach the hooks 10, the head-rod 21, and the blocks 22.

Having described my invention, I claim:

1. In a device of the class described, an
10 awning, a frame therefor having detachable pivotal connections with a casing, holders on the casing having a shelf forming a trough and hooks, blocks on the hooks, and a rod in the trough.

15 2. In a device of the class described, an awning, a frame therefor having detachable pivotal connections with a casing, holders at the top of the casing having a shelf forming a trough and hooks, a turn-button above the

shelf to close the trough, blocks on the hooks 20 for awning-ropes, and a head-rod on the awning in the trough.

3. In a device of the class described, an awning, a frame therefor having downwardly directed hooks provided with undercut openings, seats on a casing for the hooks, holders at the top of the casing each having
25 a shelf forming a trough and hooks, a turn-button on each holder overlying the trough, and a head-rod on the awning held in the
30 trough by the turn-button.

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

HENRY SMITH.

Witnesses:

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