

No. 773,311.

PATENTED OCT. 25, 1904.

O. H. CLOYD.  
LOCKING DEVICE FOR AWNINGS.  
APPLICATION FILED FEB. 1, 1904.

NO MODEL.

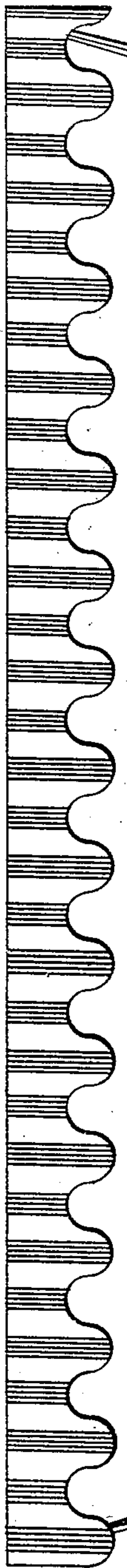


Fig. 1.

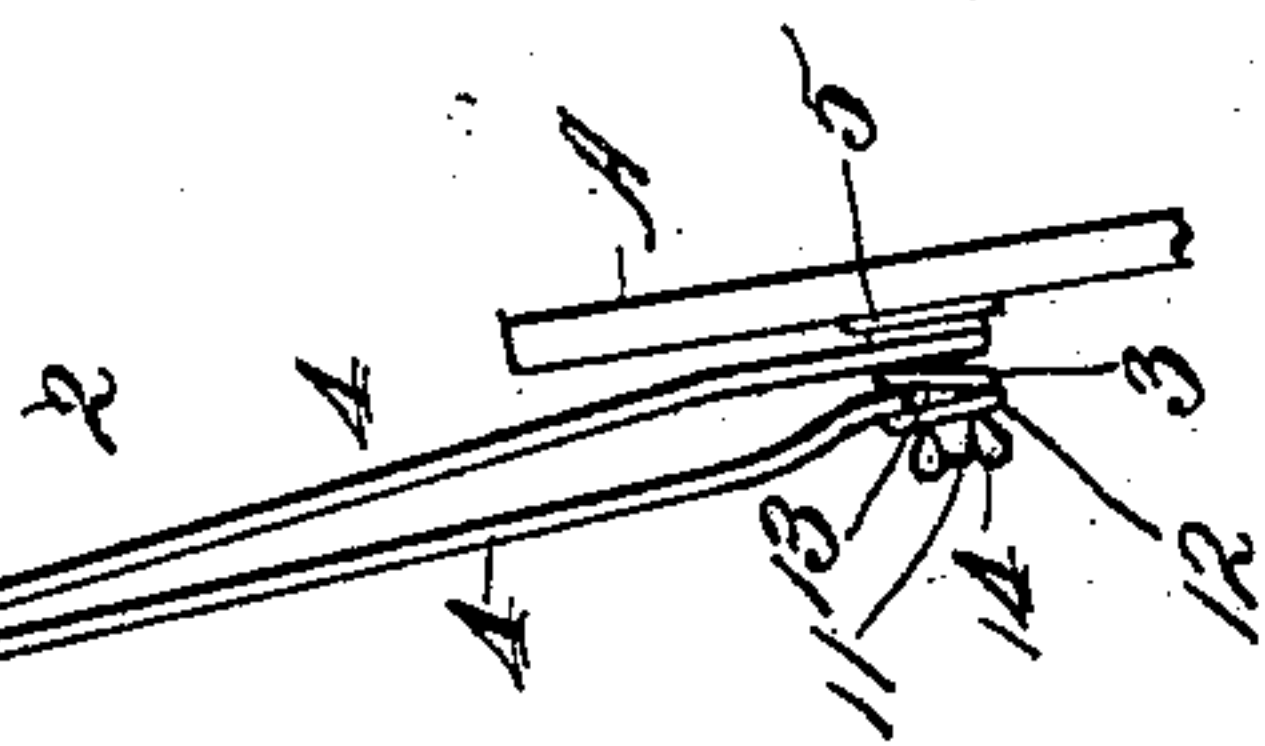
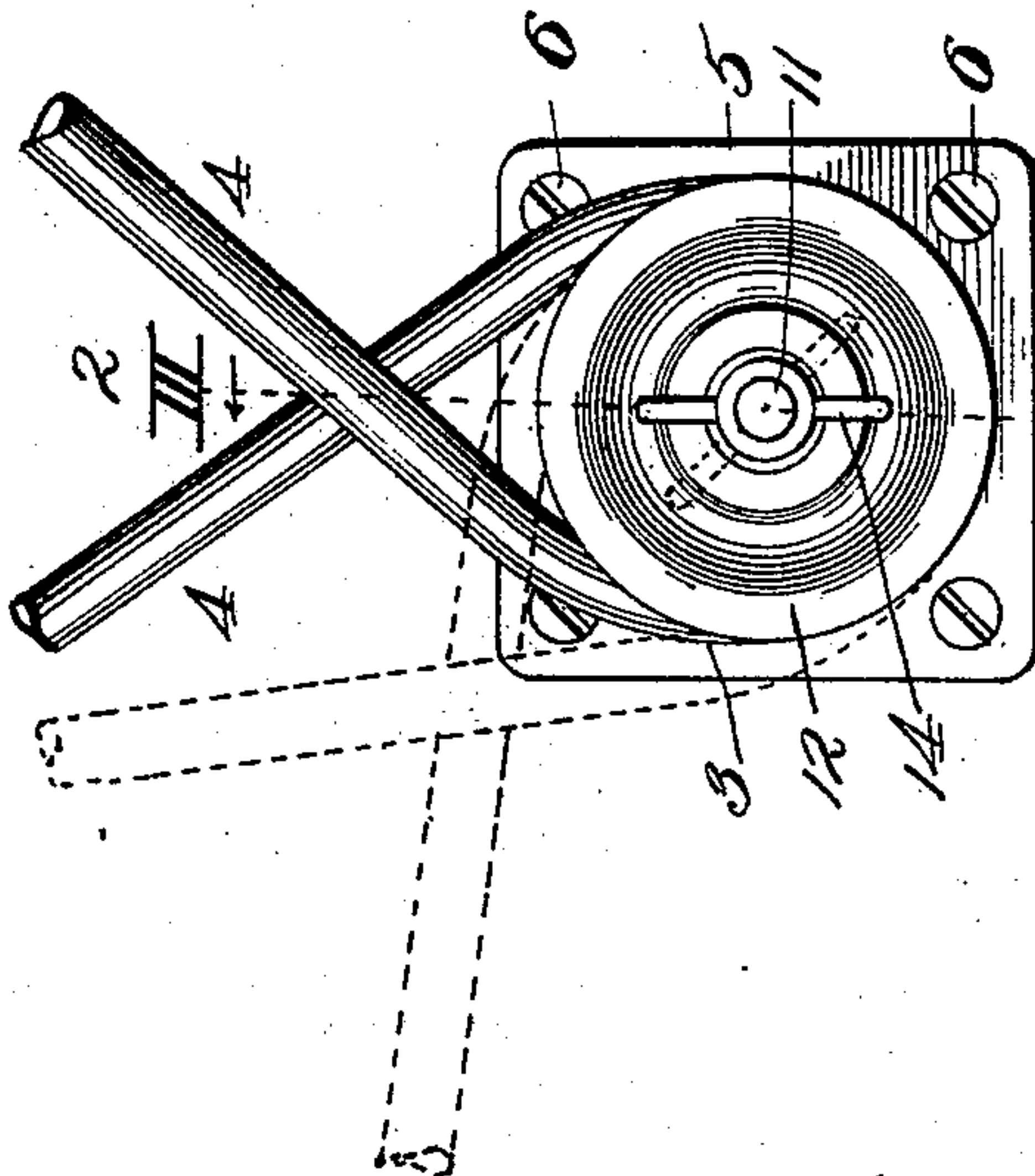
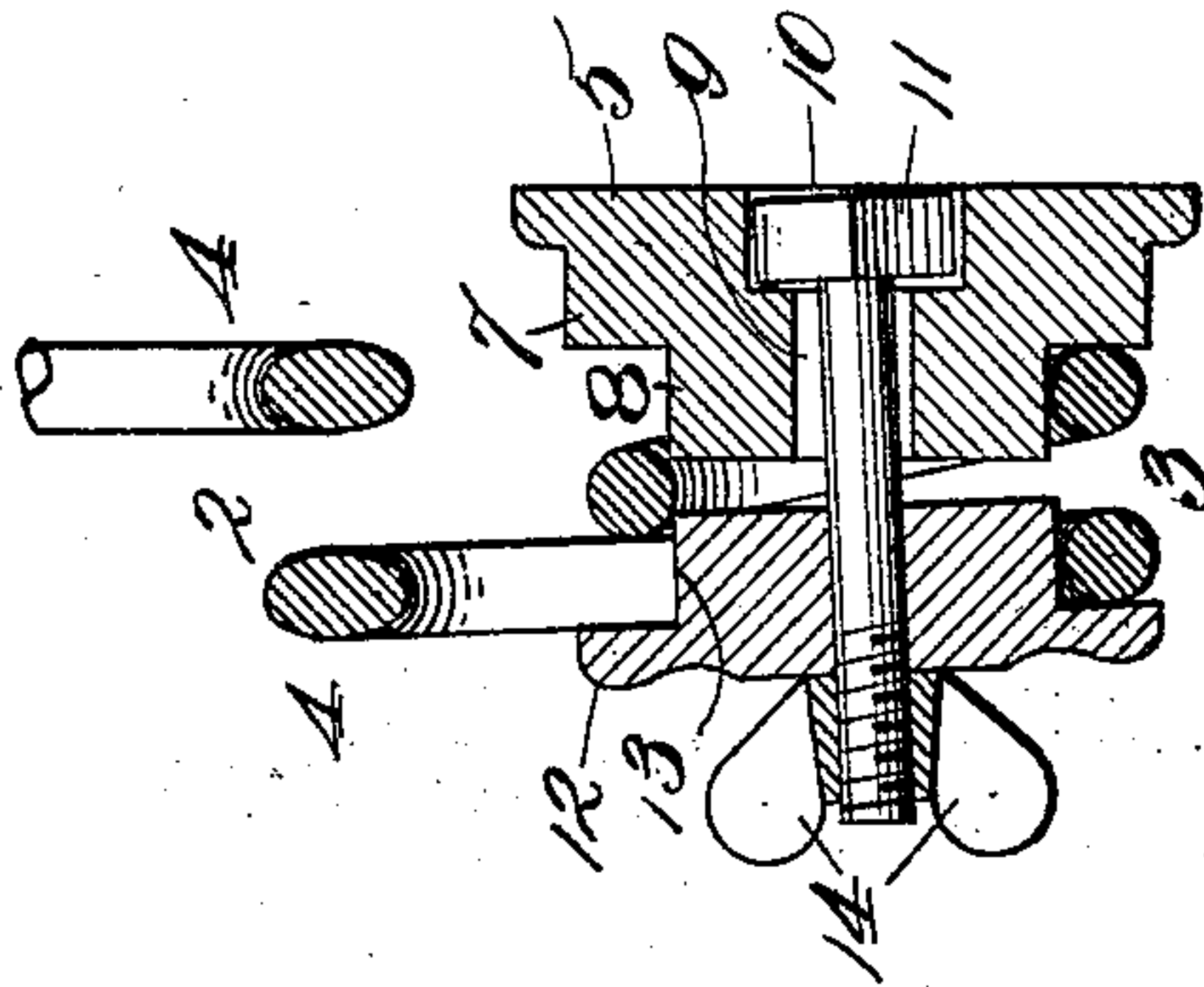


Fig. 2.

Fig. 3.



Witnesses:

*A. M. ...*  
*H. B. Rodgers*

Inventor:  
O. H. Cloyd.

By *George F. ...*  
Atty.



# UNITED STATES PATENT OFFICE.

OLIVER H. CLOYD, OF KANSAS CITY, MISSOURI, ASSIGNOR TO HAPGOOD  
 PLOW CO., OF ALTON, ILLINOIS, A CORPORATION OF ILLINOIS.

## LOCKING DEVICE FOR AWNINGS.

SPECIFICATION forming part of Letters Patent No. 773,311, dated October 25, 1904.

Application filed February 1, 1904. Serial No. 191,549. (No model.)

*To all whom it may concern:*

Be it known that I, OLIVER H. CLOYD, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Awnings, of which the following is a specification.

My invention relates to awnings, and more especially to that class for use on lawn-chairs, swings, and kindred devices, my object being to produce a device of this character which can be easily and quickly canted toward the side necessary to intercept the sun's rays and which is automatically clamped at its pivotal point or points against accidental movement.

A further object is to produce a device of this character of simple, strong, durable, and cheap construction.

To these ends the invention consists in certain novel and peculiar features of construction and organization, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 is a side elevation of an awning embodying my invention. Fig. 2 is an enlarged view of part of the awning-frame and clamping mechanism. Fig. 3 is a section on the dotted line III of Fig. 2.

Referring to said drawings in detail, 1 designates an awning of any suitable or preferred type and mounted in any desired manner upon the arms of a pair of wire frames 2. As these frames and the clamping mechanism therefor are duplicates, a description of one will suffice for both. The frame is made from a spring-wire rod bent at its middle to form a coil 3 and the intersecting arms 4, the upper ends of said arms being connected, as hereinbefore mentioned, by the awning 1 in any suitable manner.

5 designates a metallic block secured rigidly to a suitable support A, which preferably forms a part of a swing, the block being secured to the support by means of screws 6 or their equivalent. The block is provided with a shoulder 7 and outward thereof with a cylindrical hub 8 of less diameter than the shoulder and concentric of said hub by preference,

with a central bore or passage 9, opening into a socket or recess 10, to loosely receive the angular head of a bolt 11, said bolt projecting outward through passage 9 and of less diameter than the same by preference.

12 designates a clamping-disk of about the same diameter as shoulder 7 and fitting adjustably on bolt 11, and said disk is provided with an inwardly-projecting cylindrical hub 13 of the same diameter as hub 8 and with said hub fits snugly within the spring-coil 3 of the frame, being pressed toward the casting, and therefore tightly against said coil, so as to engage the same with a clamping pressure, by means of a wing-nut 14 or its equivalent engaging the threaded end of the bolt, sufficient pressure being easily applied on the spring by means of this nut to clamp the frame in an upright position, so as to hold the awning horizontally or at any desired angle to which it may be canted by simply pushing laterally against the frame.

In practice, to adjust the awning the frames may be swung pivotally one at a time, or they can be simultaneously pushed to effect the adjustment desired. The nut-pressure on the frames may of course be made sufficiently strong and rigid to enable the person applying pressure on a single frame to effect the adjustment of the companion frame at the opposite end of the awning; but in practice I prefer to make the frames and awning as light as possible consistent with the required strength and operate the frames alternately to effect such adjustment when manipulated by one person.

From the above description it will be apparent that I have produced an awning possessing the features of advantage enumerated as desirable in the statement of invention, and while I have illustrated and described its preferred embodiment it is to be understood that I reserve the right to make such changes as properly fall within its spirit and scope.

Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a pair of blocks, a pair of disks, a bolt extending non-rotatably

through each block and through one of the disks, a clamping-nut engaging each bolt and adapted to force the corresponding block and the disk closer together, a pair of frames consisting of spring-wires bent to form crossed arms, and spring-coils below said arms and encircling the bolts between the blocks and disks, and an awning mounted upon and connecting the upper ends of said frames.

10 2. The combination with a pair of blocks, provided with shoulders, and cylindrical hubs of smaller diameter than the shoulders, bolts secured to and projecting outward from said blocks, disks adjustable on said bolts and pro-

vided with cylindrical hubs projecting toward the first-named hubs, nuts engaging the outer ends of said bolts, a pair of frames having spring-coils encircling said hubs to operate pivotally thereon, and an awning connecting and mounted upon the upper ends of said frames.

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

OLIVER H. CLOYD.

Witnesses:

H. C. RODGERS,  
G. Y. THORPE.