

April 25, 1933.

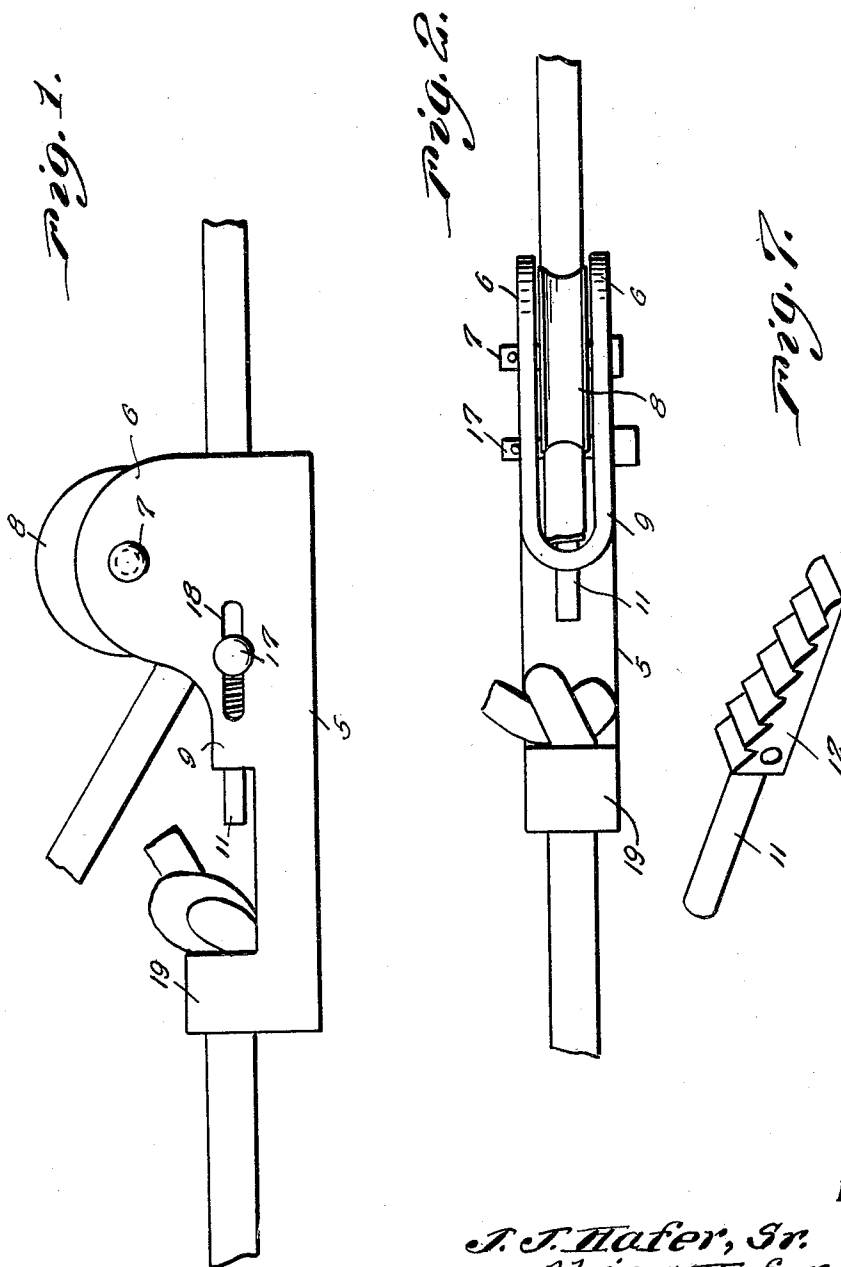
J. J. HAFER, SR., ET AL

1,905,587

FASTENING DEVICE

Filed Oct. 27, 1932

2 Sheets-Sheet 1



Inventors

J. J. Hafer, Sr.
Matthias Hafer, Sr.

By *Clarence A. O'Brien*
Attorney

April 25, 1933.

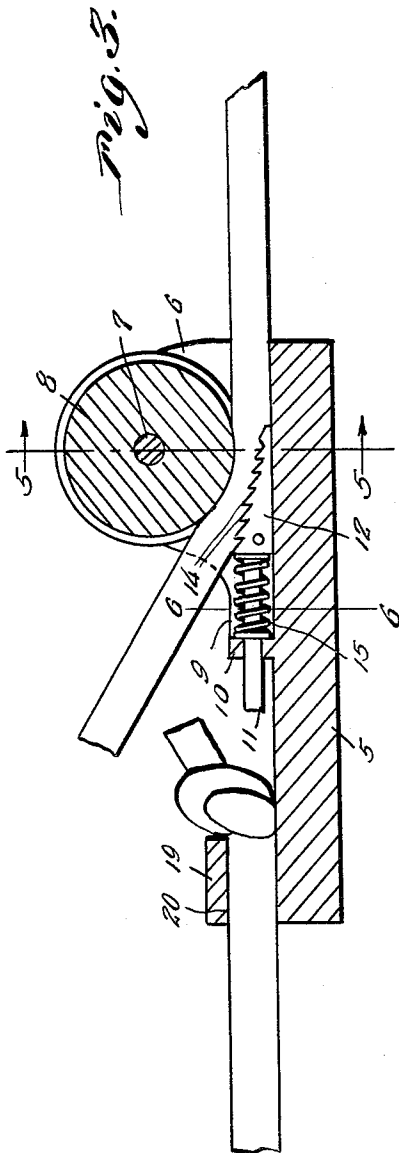
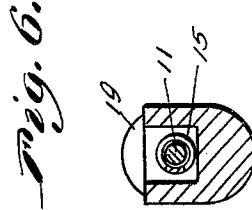
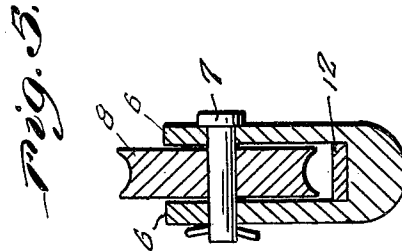
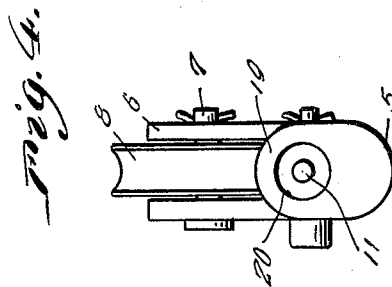
J. J. HAFER, SR., ET AL

1,905,587

FASTENING DEVICE

Filed Oct. 27, 1932

2 Sheets-Sheet 2



Inventors

*J. J. Hafer, Sr.
Mathias Hafer, Sr.*

By *Clarence A. O'Brien*
Attorney

UNITED STATES PATENT OFFICE

JOHN J. HAFER, SR., OF STRATFORD, CONNECTICUT, AND MATHIAS HAFER, SR., OF COLLEGE POINT, NEW YORK

FASTENING DEVICE

Application filed October 27, 1932. Serial No. 639,884.

The present invention relates to a device for fastening lines, such as ropes, cables or the like and chiefly for holding clothes lines taut, the invention being specifically applied to that class in which a clothes line is passed over pulleys attached to supports and connected at its ends so as to form an endless line which may be shifted in different directions.

- 10 The object of the invention resides in the provision of a device of this nature which is exceedingly simple in its construction, inexpensive to manufacture, easy to manipulate, thoroughly efficient and reliable in use, compact and convenient in its arrangement of parts and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention consists in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

- 25 Figure 1 is a side elevation of a device embodying the features of my invention.

Figure 2 is a plan view thereof.

Figure 3 is a longitudinal section there-through,

- 30 Figure 4 is an end elevation thereof.

Figures 5 and 6 are transverse sections taken respectively on lines 5—5 and 6—6 of Figure 3, and

- 35 Figure 7 is a perspective view of the locking jaw.

Referring to the drawings in detail it will be seen that the numeral 5 denotes an oblong body formed at one end with a pair of spaced upstanding parallel coextensive ears 6 through which an axle pin 7 extends and on this pin 7 is rotatable a pulley 8 having a grooved periphery. The ears 6 have inwardly directed extensions 9 which merge into a transverse lug 10 rising from the central portion of the body 5 and apertured to slidably receive a shank 11. Fixed to the shank 11 is a wedge shaped locking jaw 12 the inclined face of which is provided with ratchet like teeth 14 to engage a rope or the like which has been extended

under the pulley as is indicated to advantage in Figure 3. A spring 15 is disposed about the shank 11 and is of the coil type and impinges against the lug 10 and against the jaw 12 so as to urge the jaw 12 to a normally locking position. A knob 17 projects laterally from the jaw 12 through a slot 18 in one of the ears 6 so that the knob may be used to move the jaw against the tension of the spring thereby releasing the jaw from the rope when so desired.

At the other end of the body there rises therefrom a lug 19 having a longitudinally extending bore 20 so that one end of the rope may be passed therethrough and knotted as is indicated to advantage in Figures 1, 2 and 3 of the drawings.

It will be readily appreciated from the above detailed description that after one end of the rope has been engaged with the lug the other end of the rope may be passed under the pulley, that is between the pulley and the body, and drawn tightly and when released will be locked by the wedging action of the jaw on the rope against the pulley.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described our invention, what we claim as new is:

1. A device of the class described comprising a body, a pulley, means for rotatably mounting the pulley on the body, a wedge shaped jaw slidable on the body, and means normally urging the jaw to a position between the body and the pulley.

2. A device of the class described comprising a body, a pulley, means for rotatably mounting the pulley on the body, a wedge

shaped jaw slidable on the body, means normally urging the jaw to a position between the body and the pulley, said jaw having an inclined face, and ratchet like teeth on
5 said inclined face.

3. A device of the class described comprising a body, a pulley, means for rotatably mounting the pulley on the body, a wedge shaped jaw slidable on the body, means normally urging the jaw to a position between
10 the body and the pulley, said jaw having an inclined face, ratchet like teeth on said inclined face and an apertured lug on the body remote from the pulley.

15 4. A device of the class described comprising an oblong body with ears rising from one end thereof, a pulley journaled between the ears, a lug on an intermediate portion of the body, a shank slidable
20 through the lug, a jaw on the shank, and spring means associated with the jaw to urge it normally to a position between the pulley and the body.

5. A device of the class described comprising an oblong body with ears rising from one end thereof, a pulley journaled between the ears, a lug on an intermediate
25 portion of the body, a shank slidable through the lug, a jaw on the shank, spring means associated with the jaw to urge it normally to a position between the pulley and the body, the jaw being of wedge shaped
30 formation and having an inclined face, and gripping means on said face.

35 In testimony whereof we affix our signatures.

JOHN J. HAFER, Sr.
MATTHIAS HAFER, Sr.