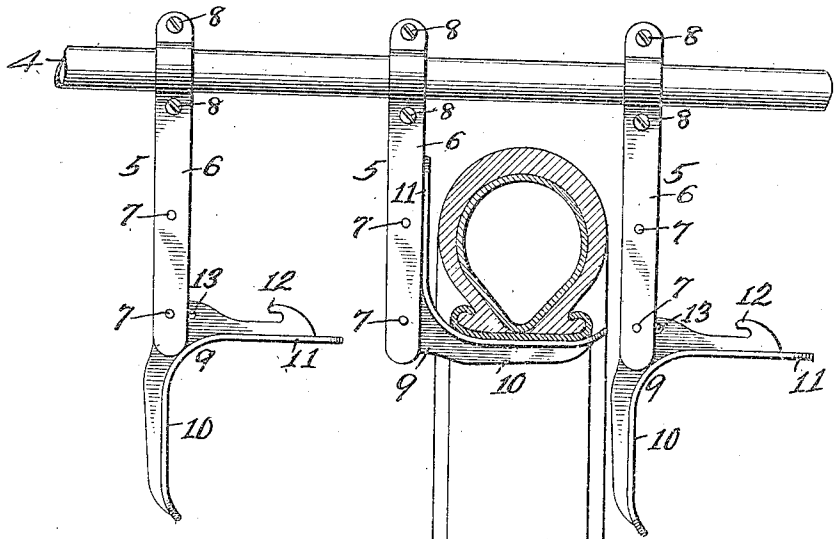
V. H. MANKEY.

HANGER.

APPLICATION FILED SEPT. 13, 1916.

1,253,852. Patented Jan. 15, 1918.

Fig. 1.



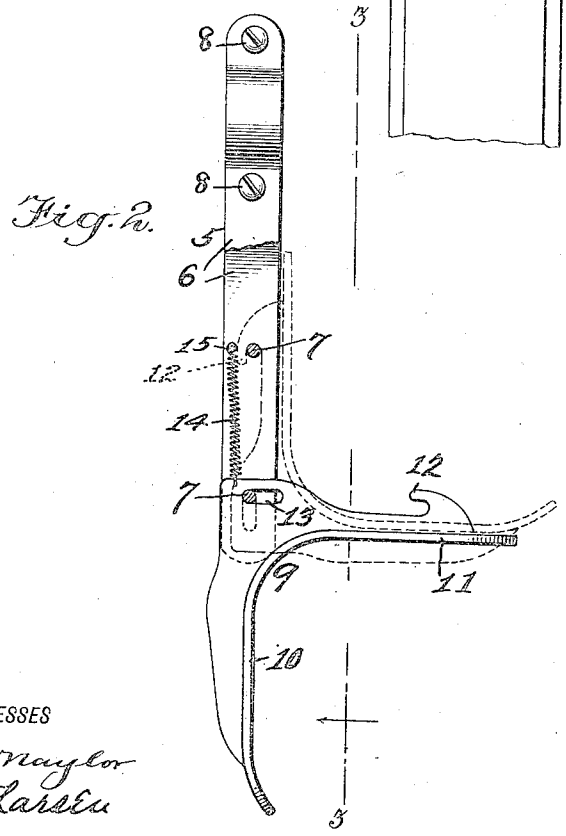


Fig. 2.

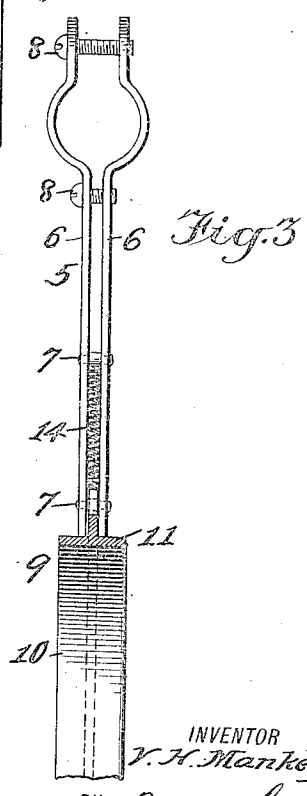


Fig. 3.

WITNESSES

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HANGER.

1,253,852. Specification of Letters Patent. Patented Jan. 15, 1918.

Application filed September 13, 1916. Serial No. 119,836.

To all whom it may concern:

Be it known that I, VERNON HENRY MANKEY, a citizen of the United States, and a resident of Aberdeen, in the county of Brown and State of South Dakota, have invented certain new and useful Improvements in Hangers, of which the following is a specification.

My invention relates to means for suspending harness, collars, automobile tires, or other articles, either for storage or display, whereby ready access may be had to each article without the necessity for disturbing any other article.

My invention is fully described in the following specification, of which the accompanying drawings form a part, in which like characters refer to like parts in each of the views, and in which:—

Figure 1 is a side elevation of a plurality of hangers constructed in accordance with my invention, two of which are in inoperative position and another shown as supporting an automobile tire; Fig. 2 is an enlarged elevation of one of the hangers with one side partly broken away to show structural details, shown in inoperative position in full lines and in operative position in dotted lines; and Fig. 3 is a section taken on the line 3—3 of Fig. 2.

Referring to the drawings, 4 represents a pipe or rod from which a plurality of my hangers 5 may be suspended in spaced relationship, this being one method of hanger support but the particular supporting means for the hangers is, as will be understood, arbitrary.

Each hanger 5 consists of side plates 6 joined by means of pins or studs 7 and, if desired, the upper ends of said side plates may be curved into the form of a clamp and provided with screws 8.

Pivotally carried by the lower stud is a bell-crank 9 having arms 10 and 11, the former of which is designed to support the article to be suspended from the hanger, and the latter being intended to lock the bell-crank in article supporting position, a hook 12 being arranged at the back thereof and which hook is adapted to be slipped over the upper stud 7, as shown in dotted lines in Fig. 2, the lower stud 7 passing through a slot 13 in the bell-crank 9 to permit sufficient vertical movement of the bell-crank to engage the upper stud in the downward movement of the bell-crank and to clear the same in the upward movement of said bell-crank, and I provide a spring 14 one end of which is secured to the side plates, as by a pin 15, and the other end of which is engaged with the bell-crank 9.

The tendency of the spring 14 is to draw the bell-crank upwardly when no weight is upon the latter and said bell-crank is in operative position, thereby clearing the hook 12 from the upper stud 7 and permitting the bell-crank to drop into inoperative position by gravity.

If an article be raised until it strikes against the under side of the bell-crank arm 11, from the position shown in Fig. 2 in full lines, and this raising of the article be continued, it will be seen that the bell-crank is swung upon its pivot until the hook 12 passes over the upper stud 7 and, if at this time a slight downward movement of the article is permitted as well as inward toward the side plates 6, the bell-crank is moved downwardly to engage the hook 12 with its stud 7 and the weight of the article will thereafter overcome the spring 14 and maintain the bell-crank in lowermost position with the arm 10 thereof in substantially horizontal or article supporting position.

When it is desired to remove the article for any reason, said article is manually raised to permit the spring 14 to draw the bell-crank upwardly to clear the hook 12 from its stud 7, and this permits the weight of the arm 10 to rock the bell-crank on its pivot into article clearing position, and this operation of one hanger has not interfered in the least degree with any adjacent hanger.

My hanger is very simple in construction and installation, is entirely automatic in article releasing operation, practically so in article receiving position, and entirely so in article supporting position, is composed of few parts not likely to get out of order, and is comparatively inexpensive while permitting the storage of a relatively great number of desired articles.

While I have shown a preferred embodiment of my invention, I do not desire to be limited thereto, as many changes may be made thereover to adapt the same to specific uses and tastes without departing from the spirit of the invention and be within the scope of the appended claims.

Having fully described my invention,

what I claim as new, and desire to secure by Letters Patent, is:—

1. A hanger, comprising a plate, an element operatively connected therewith having an arm, means controlled by the weight of an article on said arm for holding said element in operative position, and a spring for rendering said element inoperative when said arm is relieved of the weight of said article.

2. A hanger comprising a body member, an article supporting member mounted to swing on the body member, interengaging locking means on the body and supporting members, said locking means being automatically brought into engagement when the supporting member is swung to holding position and held in said position by the weight of the article thereon, and means for swinging the supporting member into inoperative position upon the removal of the article therefrom.

3. A hanger, comprising a plate, an upper and a lower stud thereon, a bell-crank provided with a slot for the reception of one of said studs and with a hook adapted to engage the other of said studs by the weight of an article on said bell-crank, and a spring for disengaging said hook from its stud when said bell-crank is relieved of the weight of said article.

VERNON HENRY MANKEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."