

C. W. LITTLEFIELD.
HAWSE SNUBBING DEVICE.
APPLICATION FILED JUNE 1, 1909.

980,425.

Patented Jan. 3, 1911.

Fig. 1.

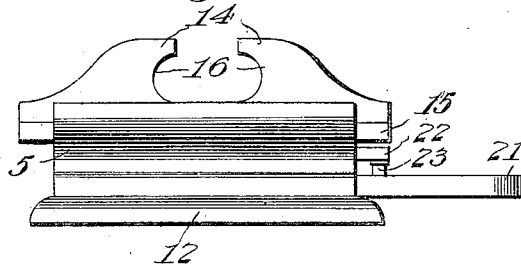


Fig. 2.

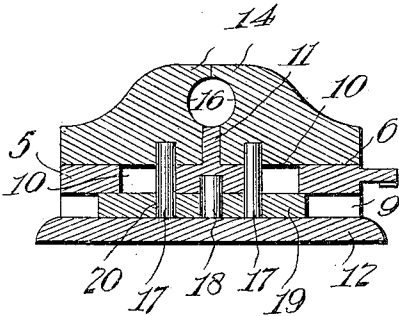


Fig. 3.

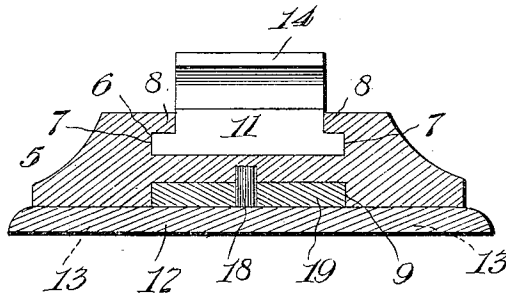
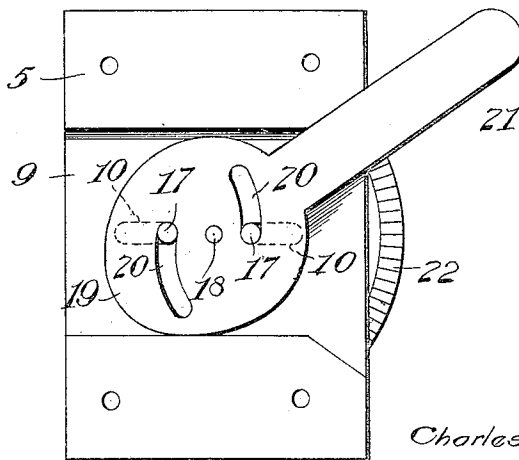


Fig. 4.



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Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES W. LITTLEFIELD, OF NEWBURYPORT, MASSACHUSETTS, ASSIGNOR OF ONE-THIRD TO SIDNEY E. ELDREDGE AND ONE-THIRD TO JOHN H. BALCH, JR., OF NEWBURYPORT, MASSACHUSETTS.

HAWSE-SNUBBING DEVICE.

980,425.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed June 1, 1909. Serial No. 499,359.

To all whom it may concern:

Be it known that I, CHARLES W. LITTLEFIELD, a citizen of the United States, residing at Newburyport, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Hawse-Snubbing Devices, of which the following is a specification.

The present invention relates more particularly to means for securing and paying out hawsers, cables, and the like used in connection with vessels, but it may be successfully employed for other purposes of an analogous character, and is thus not necessarily limited to such use.

The primary object of the present invention is to provide simple means of a novel character that will effectively clamp upon a cable to hold it against movement and may be quickly and conveniently operated not only in its clamping action, but to release the cable, said means moreover being operative upon cables of different sizes without the necessity of making relative adjustments between the different elements or parts.

The preferred form of construction is illustrated in the accompanying drawings, wherein:—

Figure 1 is a side elevation of the structure. Figs. 2 and 3 are sectional views therethrough at right angles to each other. Fig. 4 is a bottom plan view with the base removed.

Similar reference numerals designate corresponding parts in all the figures of the drawings.

In the particular form of structure disclosed, a body 5 is employed, which is provided in its upper side with an open-ended guide-way 6 having channels 7 formed in its opposite side walls by overhanging ribs or flanges 8. This body is also provided in its under side with a recessed open-ended seat 9, and slots 10 communicate with the guide-way and seat, and are disposed longitudinally thereof. The guide-way 6 furthermore is preferably provided with a stop wall 11 extending centrally across the same and arranged between the slots. This body is mounted on a base 12 suitably secured thereto, as shown at 13. Coacting reciprocating cable-clamping jaws 14 are slidable

toward and from each other in the guide-way 6, being provided with outstanding flanges 15 that operate in the channels 7. These jaws project above the body 5, and have their opposing inner walls channeled, as shown at 16 to produce a cable-way. They also have depending pins 17, which pass through the slots 10, and are arranged in the recessed seat 9. Located in said seat between the pins, is a fixed pintle 18, and journaled thereon, is a head 19 provided with cam slots 20 that receive the pins 17. A handle 21, projecting from one side of the head, extends outwardly from one side of the body, and constitutes means for turning said head. A quadrant rack 22, carried by the body, is arranged at one side of the handle, and a holding dog 23, mounted on said handle, coöperates with the rack to maintain the handle, and consequently the head in any position desired.

With this structure, it will be evident that as a cable or rope is passed between the jaws, the same can be clamped by turning the handle 21 in the proper direction, and can be quickly released by moving it in an opposite direction. The structure is obviously exceedingly simple, and constitutes an effective snubbing device for the purposes described. With this structure, it will be obvious that there is no strain brought upon the journal pin of the head 19, and furthermore this head can be reversed, so that the handle may be made to operate in either direction desired.

From the foregoing, it is thought that the construction, operation and many advantages of the herein described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion and minor details of construction, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

A device of the character described, comprising a body having a channeled guide-way in its upper side and a recessed seat in its under side, together with slots that com-

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municate with the guide-way and seat, re-
ciprocatory clamping jaws slidable toward
and from each other in the guide-way and
having depending pins that pass through the
5 slots and are located in the recessed seat, a
head journaled in the seat and having cam
slots that receive the pins, said head having
a handle projecting from one side of the

body, and means for locking the handle in
different positions. 10

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

CHARLES W. LITTLEFIELD.

Witnesses:

CHARLES G. PRAY,
BENJ. BARTH.