H. L. SCHULER.

CARPET BEATER.

APPLICATION FILED JULY 1, 1909.

949,092. Patented Feb. 15, 1910.

Fig. 1.

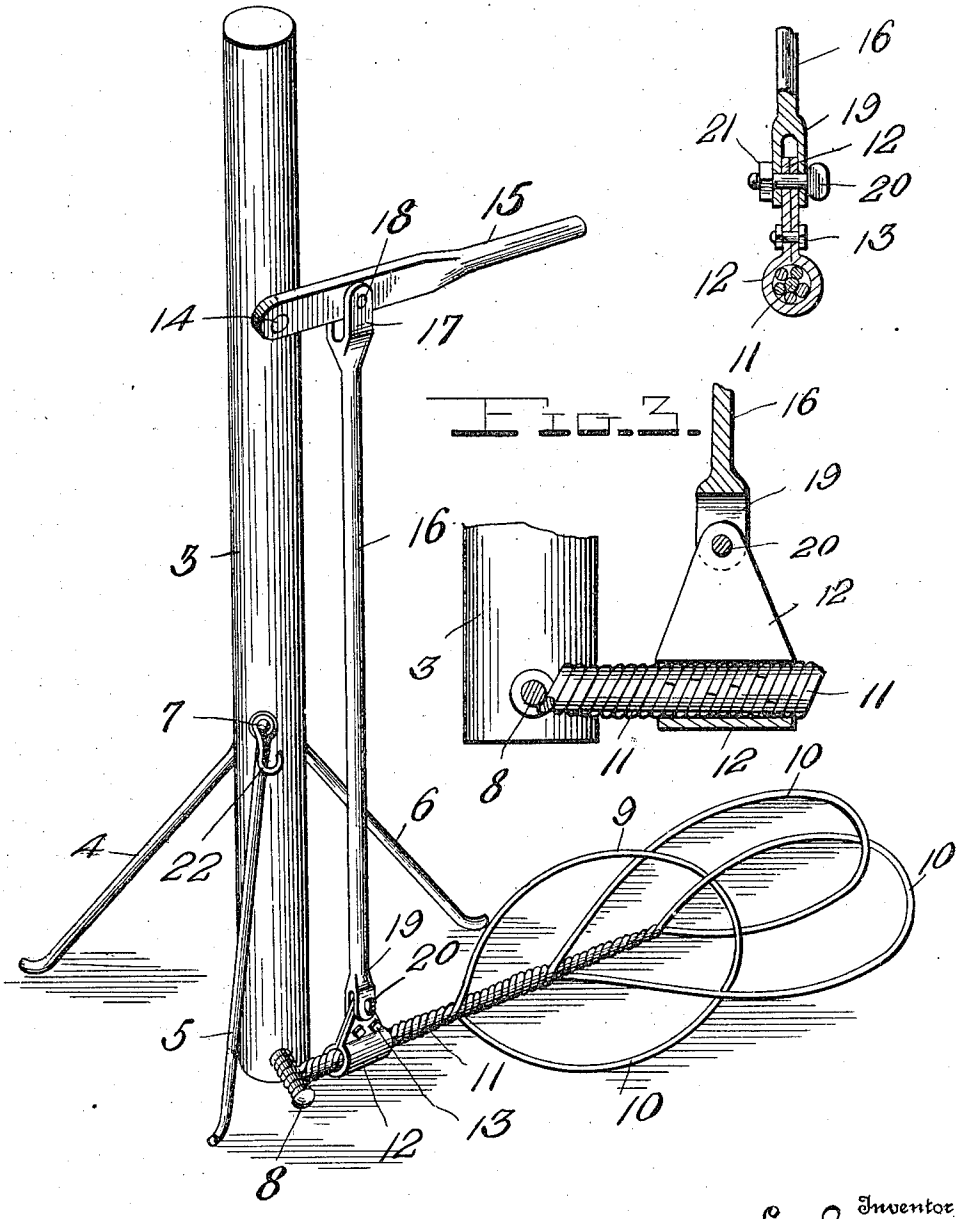

Fig. 2.

Fig. 3.

Witnesses

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CARPET-BEATER.

949,092. Specification of Letters Patent. Patented Feb. 15, 1910.

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To all whom it may concern:

Be it known that I, HARRY L. SCHULER, a citizen of the United States, residing at Piper City, in the county of Ford and State of Illinois, have invented certain new and useful Improvements in Carpet-Beaters, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to carpet beaters and has for its object to provide a simple, strong, cheap and effective device of this character.

With this object in view the invention consists in a carpet beater comprising the improved construction, arrangement and combination of parts hereinafter fully described and afterward specifically claimed.

I have illustrated an embodiment of my invention in the accompanying drawing, in which—

Figure 1 is a perspective view of the device complete; Fig. 2 is a detail view being a transverse section through the twisted wires of the beater, the clamp for securing the same, and the link for connecting it with the operating lever, and Fig. 3 is a detail longitudinal section through the clamp 12.

Like reference characters indicate the same parts in all the figures.

Referring specifically to the drawing 3 indicates a standard which may be made of any suitable size and material metal being probably preferred, to which are secured any suitable number of legs as at 4, 5, 6, three legs being shown in this instance. The legs may be secured to the standard in any suitable manner, such for instance as by means of screw bolts 7.

Threaded or otherwise secured in the lower end of the standard to project radially therefrom is a pin 8 which forms the pivotal connection for a beater 9 composed of wires 10 of any suitable number, three being shown in the present instance, said wires being bent into loops and twisted together, and arranged to lie in a single plane, so that when pivotally mounted on the pin 8, they may lie in a plane coincident with the carpet to be beaten when laid upon the floor. The wires 10 after having been twisted together to form a stem 11 are carried one or more times around the pin 8, and turned back upon themselves. At the point where the ends of the wires, after being coiled around the pin 8, terminate the sheet metal clamp 12 is placed around them and securely squeezed together upon them by means of screw bolts 13 thereby holding the wires in position and covering the ends thereof, as shown in Fig. 3.

At a proper distance above the lower end of the standard to permit of easy operation, as at 14, is pivotally connected a hand lever 15.

At 16 is shown a link provided at its upper end with a fork 17 which embraces and is pivotally secured to the hand lever 15 by a pin or screw 18. At its lower end the link 16 is provided with a fork 19 which embraces and is removably and pivotally secured to the clamp 12 by means of a thumb screw 20 which passes through smooth openings in the fork and clamp and is threaded into a nut 21 on the opposite side.

A hook 22 is pivotally secured on one of the bolts or screws 7 which secure the legs to the standard which, when the beater is not in use and is turned upward on its pivotal pin 8, may be engaged with one of the wires of the beater and hold it in an upright position closely folded against the standard. In order to permit of this folding it is necessary to separate the link 16 and the beater, which may be readily done by removing the thumb screw 20, before described, after which the handle 15 may be swung upon its pivot until it lies substantially parallel with the standard, the link 16 folding in such movement and being folded closely against the standard.

Should the beater become broken, the clamp 12 may be opened by removing the screws 13 which will permit of the untwisting of the ends of the beater and the removal thereof from the pivot pin 8 so that another beater may be placed in position thereon without the necessity of sending the device to the factory or employing skilled labor in repairing it.

In operation the handle 15 is grasped by the user and reciprocated vertically so that the wires of the beater will strike the carpet or rug lying upon the floor.

The whole device is simple, portable, cheap and effective and is not liable, with ordinary use, to get out of order or be broken.

Having thus described my invention, what is claimed is:

1. A device of the character described comprising a standard, means for supporting it in upright position, a pin projecting radially from the standard near the bottom thereof, a beater pivotally secured on the standard, a

second pin projecting from the standard at a distance from the base, a hand lever pivotally secured on the second pin, and a link connecting the hand lever and beater.

2. A device of the character described comprising a standard, means for supporting it in upright position, a pin projecting radially from the standard near the bottom thereof, a beater composed of wires the inner ends of which are coiled around the pin and turned back, a clamp for retaining the turned back wires in position, a hand lever pivoted to the standard, and a link connecting the hand lever and the beater.

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

HARRY L. SCHULER.

Witnesses:
MYRTLE B. COOK,
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