(No Model.)

A. H. PHINNEY.

WHIP RACK.

No. 509,675. Patented Nov. 28, 1893.

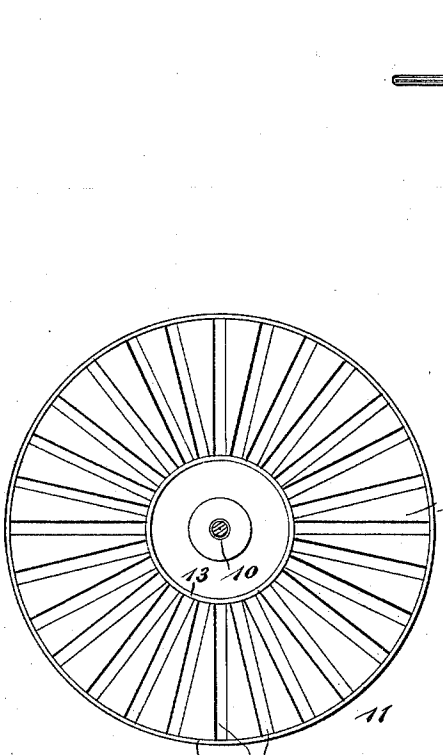

Fig. 2.

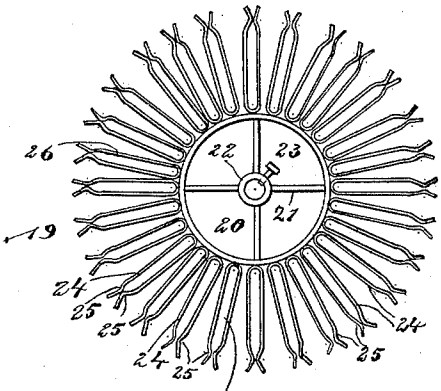

Fig 3

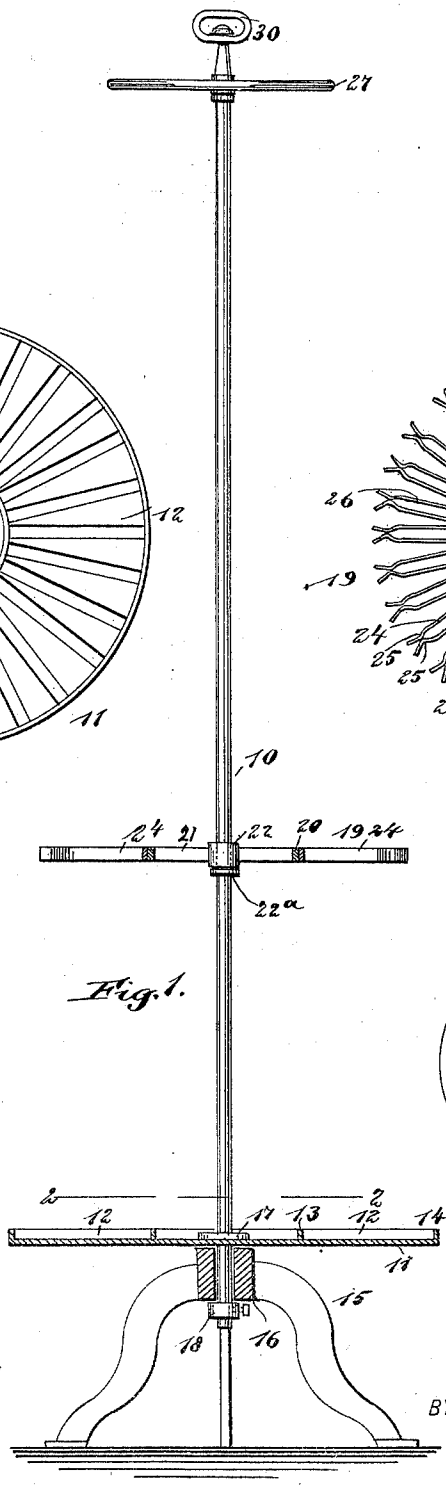

Fig. 1.

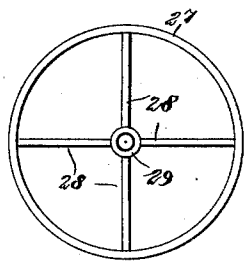

Fig 4.

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WHIP-RACK.

SPECIFICATION forming part of Letters Patent No. 509,675, dated November 28, 1893.

Application filed January 22, 1892. Serial No. 418,885. (No model.)

To all whom it may concern:

Be it known that I, ALFRED H. PHINNEY, of Williams, in the county of Hamilton and State of Iowa, have invented a new and Improved Whip-Rack, of which the following is a full, clear, and exact description.

My invention relates to improvements in racks such as are adapted to hold conveniently and display advantageously the ordinary form of driving whip, and the object of the invention is to produce a simple rack for the above purpose, which will hold a great number of whips so that they may be easily placed in the rack or as easily removed, and which is adapted to stand upon the floor or be suspended from the ceiling.

To this end, my invention consists in a whip rack, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a sectional elevation of a whip rack embodying my invention. Fig. 2 is a sectional plan on the line 2—2 in Fig. 1. Fig. 3 is a detail plan view of the fastener which is carried on the main rod or post of the whip rack; and Fig. 4 is a detail plan view of the top ring which supports the lash ends of the whips.

The whip rack is provided with a main central rod or post 10, which at the bottom is provided with a base plate 11, and this plate has on its upper surface a series of radial grooves or recesses 12, which are formed between the inner and outer concentric flanges 13 and 14. These grooves or recesses are adapted to receive and support the butt ends of the whips. The base plate 11 may be secured to the rod and made to stand upon the floor, but it is preferably mounted on a stool 15, the better form of which is a tripod, as shown in the drawings, and this stool or tripod is provided with a central, vertically perforated hub 16, and the rod 10 is provided with a collar 17, adapted to rest upon the top surface of the base plate, and a detachable collar 18, which is secured to the lower end of the rod and is adapted to abut with the under side of the hub 16, so as to prevent the displacement of the rod. Higher up on the rod 10, is a fastener 19, which is adapted to hold the body portions of the whips securely, and this fastener has an inner ring 20, with inwardly-extending radial spokes 21, which are secured to a hub 22 adapted to be placed upon the rod 10, and rest upon a fixed collar 22^a on the rod, but if desired, the fastener may be rigidly attached to the rod. When the fastener is detachably secured to the rod, the hub 22 is provided with a set screw 23, which projects through it and by means of which the fastener is held in place. The fastener is provided with a plurality of outwardly-extending, nearly parallel spring arms 24, which are arranged around the outer side of the ring 20, and each pair of arms is preferably formed of a single piece of metal bent to the required shape, and each arm of each pair near its free end is bent inward, as shown at 25, so as to touch, or nearly touch the opposite arm, and the free ends of the arms diverge. It will be seen that each pair of arms thus forms an elongated loop 26, adapted to receive and hold a number of whips, and the diverging ends of the arms enable the whips to be easily pushed into the loops, while the bent portions 25 prevent their accidental displacement.

Near the top of the rod 10, is a ring 27, adapted to receive the tips of the whips, and the ring is provided with spokes 28 which serve as braces, and with a central hub 29 which is secured to the ring. At the upper extremity of the rod 10, is a swivel ring 30, which may be attached by cords to the ceiling, and which enables the whip rack to be suspended and to be freely turned around so as to bring any of the whips into a desired position.

When the whip rack is suspended, the stool or tripod 15 is not used, and the base plate is held in place by the collar 18, which is pushed up against the under side thereof and fastened by a set screw. To place the whips in the rack, the tips are pushed up through the ring 27, the body portions are pushed into the loops 26, and their butt ends are allowed to drop into the grooves or recesses 12.

From the foregoing description it will be seen that a large number of whips may be

held in a comparatively small rack, that they may be displayed to great advantage, and that they may be easily removed when necessary.

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

A whip rack, comprising a central rod, a base plate secured thereon and provided with radial grooves or recesses, a fixed collar, and detachable collar 18 on said rod a fastener secured to the rod above the base plate, said fastener comprising a central ring, and a series of radially-extending spring loops having separable outer ends, a ring secured to the rod near its upper end, and a suspending swivel secured to the top of the rod, substantially as described.

ALFRED H. PHINNEY.

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