Jan. 17, 1933. W. E. WHITNEY 1,894,548

LINOLEUM ROLLER

Filed Dec. 4, 1928

Fig. 1.

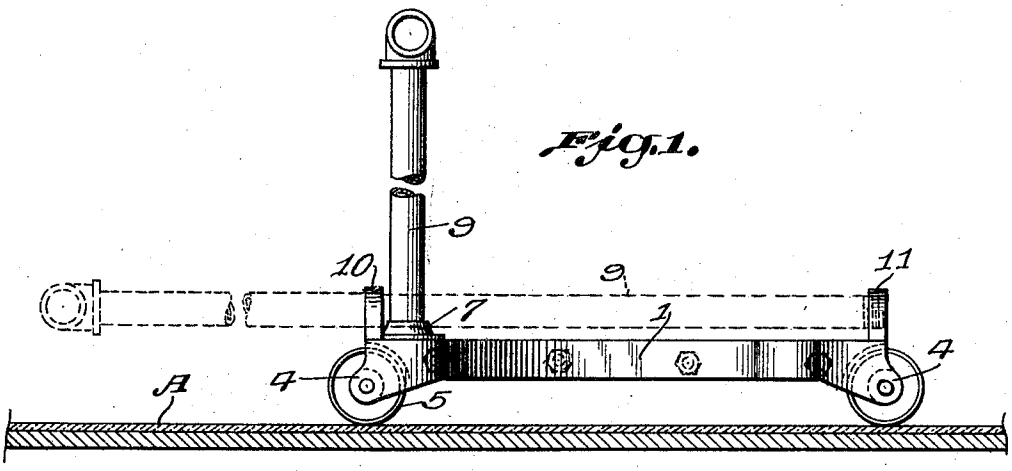


Fig. 2.

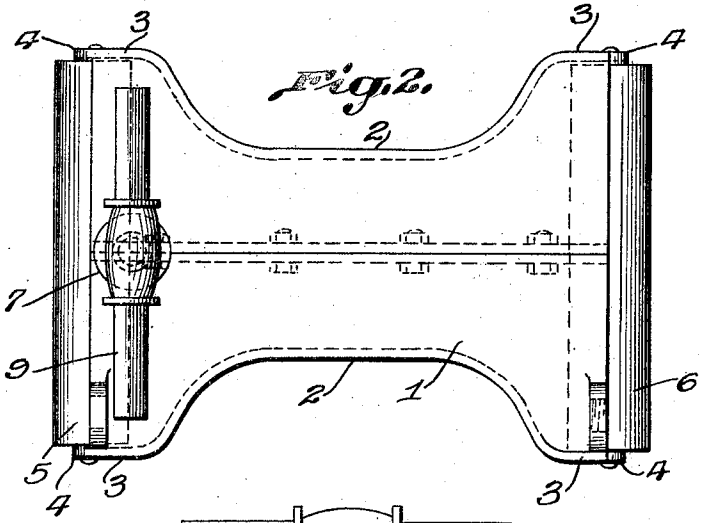
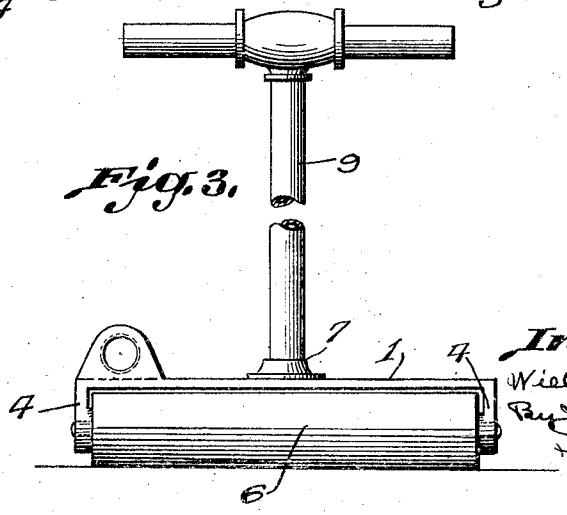


Fig. 3.



Inventor

William E. Whitney

By Jos. J. Dennis

His Attorney

Patented Jan. 17, 1933 1,894,548

UNITED STATES PATENT OFFICE

WILLIAM E. WHITNEY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO SLOANE-BLABON CORPORATION, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE

LINOLEUM ROLLER

Application filed December 4, 1928. Serial No. 323,658.

My invention is an improved device for use in laying and cementing hard surfaced floor coverings such as linoleum, oil cloth, etc., and it provides a readily portable roller mechanism making available the weight of the operative to supply the necessary pressure for flattening, stretching and securing the floor covering. In its preferred form it consists of a foot rest with broad rollers connected therewith and provided with a handle attachable either vertically or horizontally.

The characteristic features and advantages of my improvements will more fully appear from the following description and the accompanying drawing of the preferred embodiment of my invention.

In the drawing, Fig. 1 is a side elevation of an embodiment of my invention in position for rolling a floor covering; Fig. 2 is a top plan view thereof and Fig. 3 is an end view thereof.

As illustrated in the drawing, my improved device consists of a foot rest or weight support 1 preferably made by bolting together a pair of aluminum castings having constricted intermediate sections 2 and flaring end sections 3. Lugs 4 extending outwardly from the ends of the foot rest have journalled therein broad bearing rollers 5 and 6. A boss 7 may be cast on the top of the foot rest and recessed to form a socket 8 for the reception of the end of a T-handle 9 by which the apparatus may be lifted and guided and which aids the operative in balancing himself. Lugs 10 and 11 projecting upwardly from the ends of one of the castings contain apertures in which the handle may be inserted parallel with the surface of the foot rest to minimize the space required for transporting or storing the device when not in use. The handle 9 may be secured in its vertical or in its horizontal position in any desired manner, as for instance by threading the end thereof and correspondingly threading the socket 8 and the passage through the lug 11.

It will be understood that in use the handle is fixed in the full line position shown in the drawing, and the operator stands upon the foot rest with one or both feet. The movements of the device across the floor covering A being laid, smoothes out all wrinkles or bulges therein and insures the firm adhesion of the covering A to the floor or base B. When the work has been completed, the handle may be unscrewed from the boss 7, passed through the aperture in the boss 10 and secured in the boss 11 as shown in dotted lines in Fig. 1. With the parts so arranged, the device occupies very little space and can be conveniently carried by the handle with little effort since all the parts are comparatively light in weight.

Various changes may be made in the mechanical details of the apparatus without departing from the essential feature of my invention of supplementing the weight of the rolling mechanism itself by the weight of the operator or an extraneous object as an aid to smoothly laying and securely attaching the floor covering.

Having described my invention, I claim:

1. A device of the character described comprising a foot rest containing a plurality of sockets disposed transversely to each other and at opposite ends of the foot rest a handle adapted for engagement in either of said sockets, and rollers journalled relatively to said foot rest at the ends thereof.

2. A device of the character described comprising a foot rest, rollers connected with said foot rest, a handle, and means for connecting said handle to said rest in a plurality of positions.

3. A device of the character described comprising a casting forming a foot rest having downwardly turned lugs and an upwardly turned lug, rollers journalled in said downwardly turned lugs, said upwardly turned lug and said foot rest each containing a handle engaging socket, and a handle for engagement in either of said sockets.

In witness whereof I have hereunto set my name this 31st day of October, 1928.

WILLIAM E. WHITNEY.