B. B. DOUGLAS.
Hose-Reel.

No. 205,738. Patented July 9, 1878.

Fig. 2

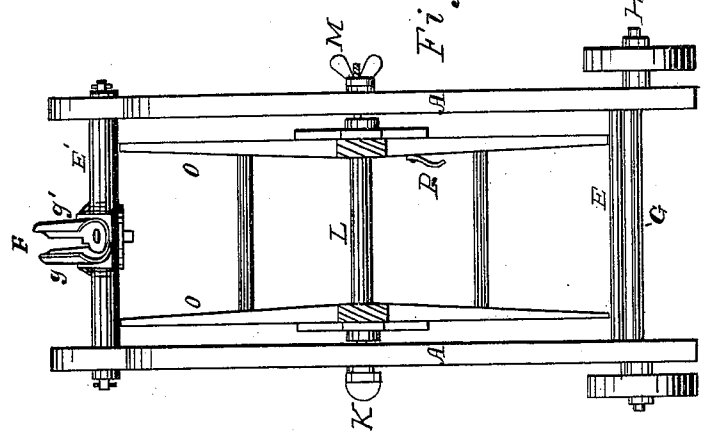


Fig. 3

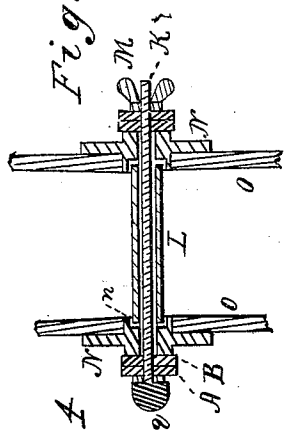


Fig. 4

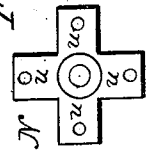


Fig. 1

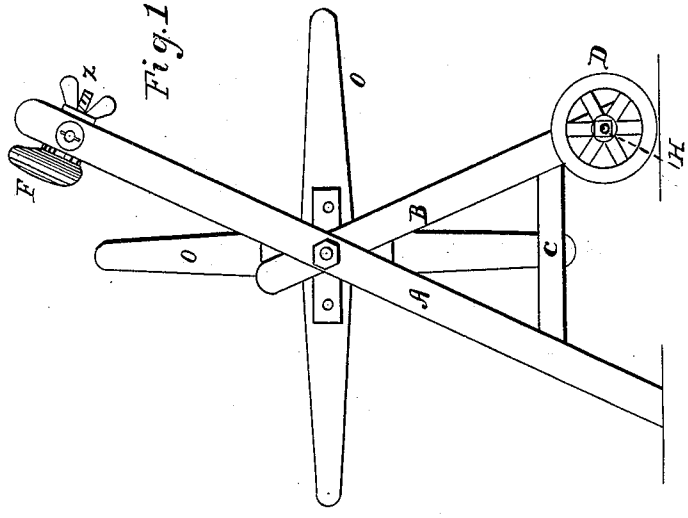
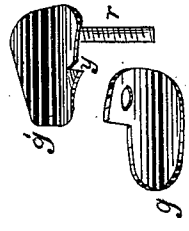


Fig. 5



Witnesses
W. B. Hale.
D. D. Lane

Inventor
B. B. Douglas
by Chas. G. Page Atty.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BAILEY B. DOUGLAS, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN HOSE-REELS.

Specification forming part of Letters Patent No. **205,738**, dated July 9, 1878; application filed May 28, 1878.

To all whom it may concern:

Be it known that I, BAILEY B. DOUGLAS, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Garden-Hose Reels; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of garden-hose reels in which the wheel is mounted within a frame adapted, by means of wheels, to be readily moved from place to place.

The improvement consists in the combination and construction of devices, hereinafter described and claimed, for locking or holding the reel in a stationary position, and also in the peculiar construction of a nozzle-holder, all as hereinafter set forth.

In the accompanying sheet of drawings, Figures 1 and 2 are side and front elevations of the reel and frame with my improvements applied thereto. Fig. 3 is a central transverse section through the reel. Fig. 4 is a side view of the collar, with its wings or braces, which is secured upon the sides of the reel; and Fig. 5 is an enlarged view, showing the two parts of the nozzle-holder detached.

A represents the main standards of the reel-carrier, which are set at such an angle that the braces B, carrying the wheels D, form, with the ground-line, equilateral triangles, making a unique as well as a strong frame. This frame is prevented from spreading by the bars C, which are properly secured to the parts A and B, and is held a suitable distance apart by the rungs E and E′, two of which, E, are pinned or otherwise secured at or near the bottom, and the third, E′, is made so as to revolve. To the latter is attached the nozzle-holder F.

The lower portion of the bars B have on each side a wheel, D, secured by a rod, G, passing through both sides of the frame and fastened by the nuts H H.

The reel is made as usual, so far as relates to the arms and rungs and loose sleeve L, upon which the hose is wound. The means for locking or preventing the same from turning are, however, so far as I am aware, novel, and are as follows: A rod, K, with a screw-thread commencing at its end opposite to head *q*, is passed through the bars A B at their point of juncture, and also through collars N N and the loose sleeve L, and a thumb-screw, M, fitted upon the same, as shown in Fig. 3, in which the bars *o o* are represented as being broken away. The collars N N, which are secured to the bars *o o*, consist of a central hub, *n*, and wings *u*, the inner ends of the hubs constituting seats or sockets for the ends of the loose sleeve L. These ends are set into the frame, as shown in the sectional view. The wings *u* are secured to the cross side bars *o*, which constitute the main portion of the reel-frame, and thereby brace and strengthen the same in a simple and effective manner. When it is desired to prevent the sleeve L from rotating, the thumb-screw M is tightened up until the sides of the frame and reel are brought together sufficiently to compress the inner sides of the collars or hubs upon the ends of the sleeve.

In adjusting or moving, one or two turns of the nut releases the reel, and it is ready for use. One of the arms of the reel is provided with a lug, P, which is of such a shape that by compressing the hose it can be forced under the lips, and when under assumes its natural shape again. This is for holding the butt of the hose when not in use.

F represents the nozzle-holder used on this machine, and consists of two conical shells, *g g′*, made of such shape as to hold, when adjusted, a nozzle such as is usually employed on garden hose. One of these shells overlaps the other, and is provided with a stem, *r*, which passes through a perforation in the other half of the shell, and the female portion of the holder pivots or rotates on the stem *r*. This holder, or rather the male portion, has a lip at *y*, which limits the expansion of the shells, as this lip abuts against a portion of the female shell.

The nozzle-holder is attached to the rung E′ by the stem *r*, and fastened thereto, so that it will be clear that a double adjustment of the nozzle is accomplished. The thumb-nut

attached to the stem *r* secures the nozzle, and at the same time holds the nozzle-holder in any desired position.

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

1. In a garden-hose reel, the combination of the loose sleeve L and screw-rod K with the collars N, formed with wings *u* and secured upon the sides of the reel, as shown, said devices being mounted within a frame, constructed substantially as described, and adapted to operate as set forth.

2. The nozzle-holder F, composed of the two shell-shaped pieces *g g'*, screw-rod *r*, and lip *y*, in combination with the herein-described frame, having a hose-reel mounted therein, substantially as specified.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

BAILEY B. DOUGLAS.

Witnesses:
OLIVER DRAKE,
J. F. INSLEE.