

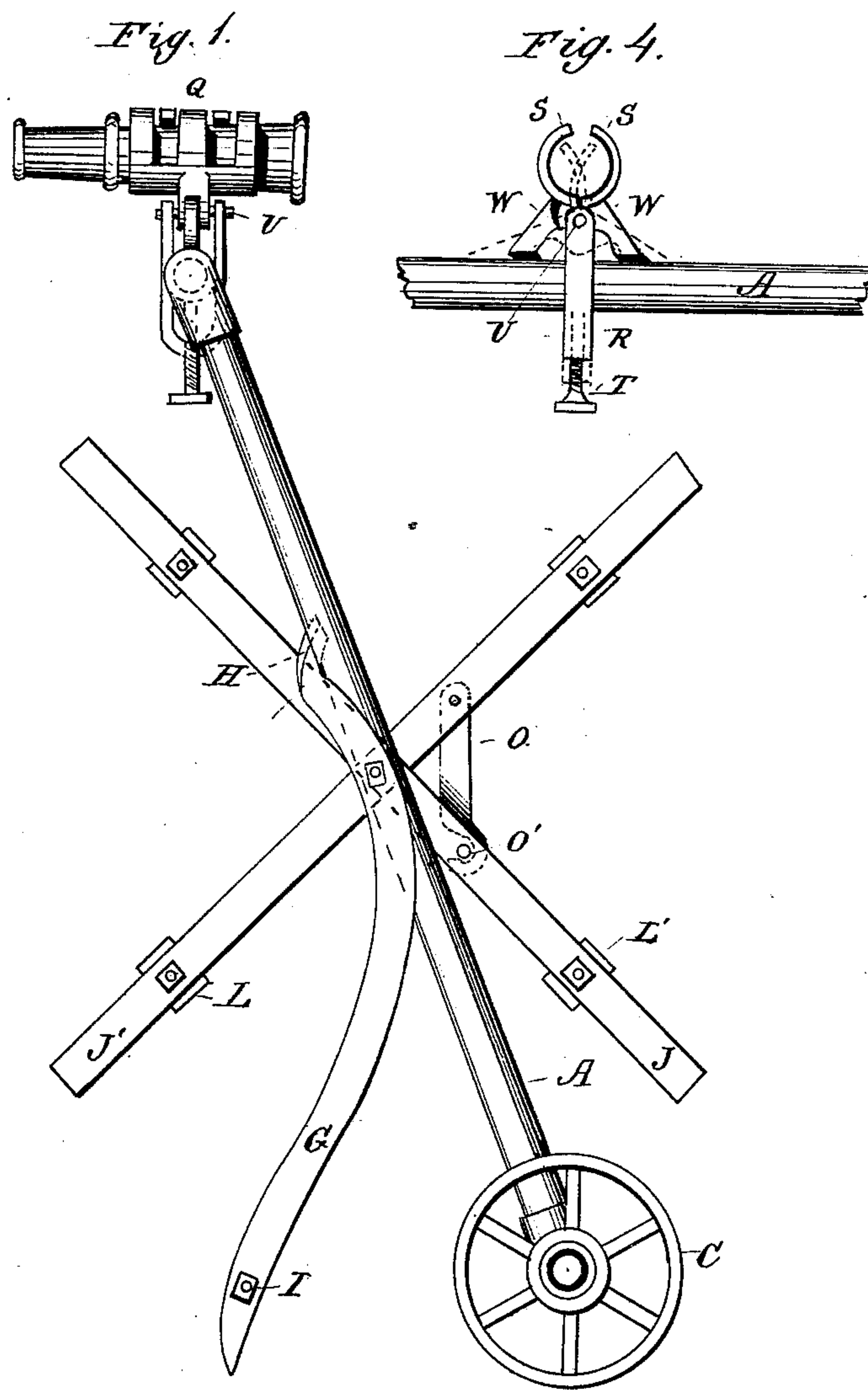
(Model.)

2 Sheets—Sheet 1.

J. Q. CROSBY, dec'd,
H. H. CROSBY, Administrator.
Hose Reel.

No. 233,990.

Patented Nov. 2, 1880.



H. H. Crosby Admt. of
the Estate of

WITNESSES:

Chas. H. Kemon
Chas. A. Pettit

INVENTOR:

Jno. Q. Crosby, deceased

BY *H. H. Crosby*

ATTORNEYS.

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Fig. 2.

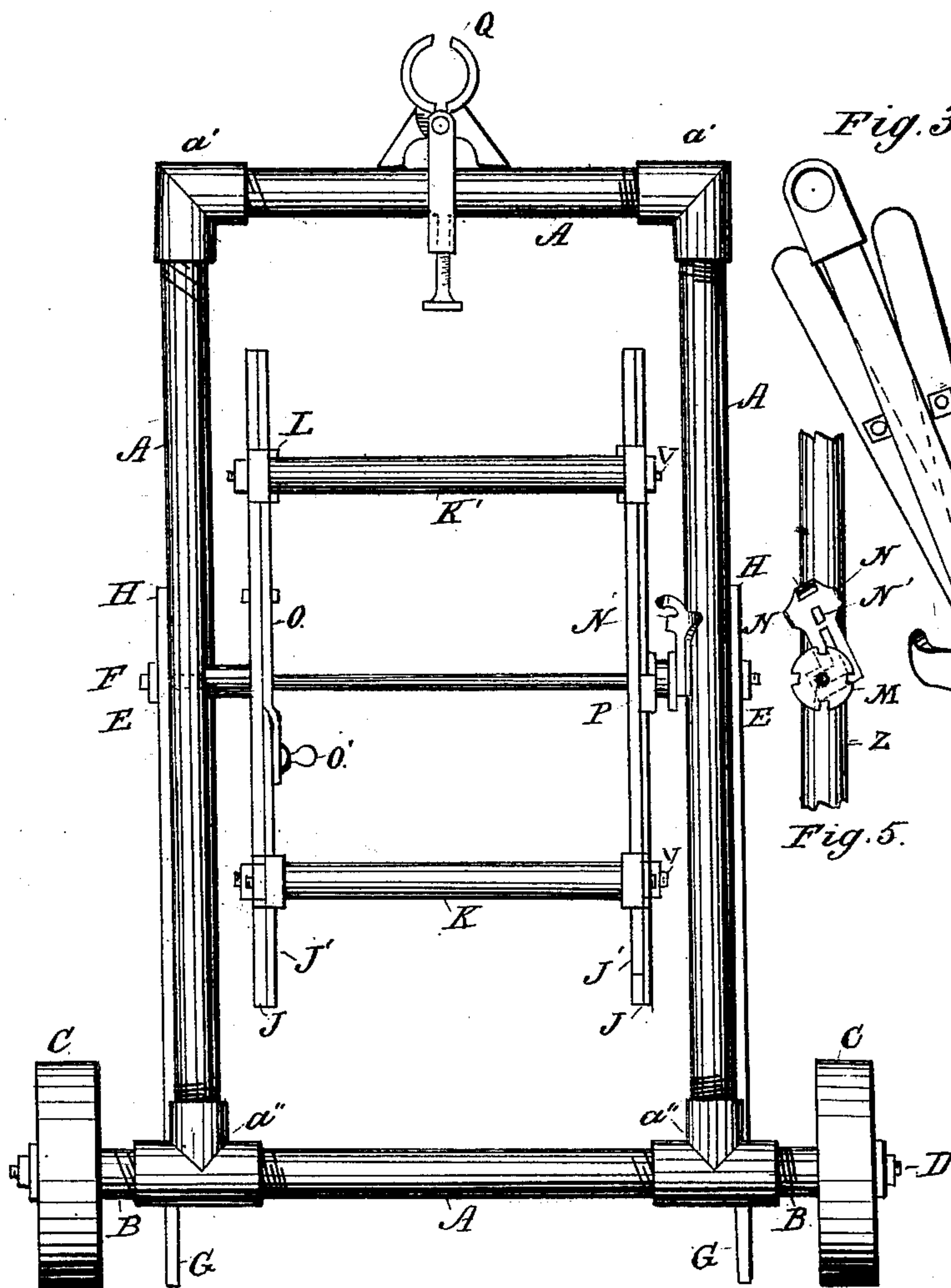


Fig. 3.

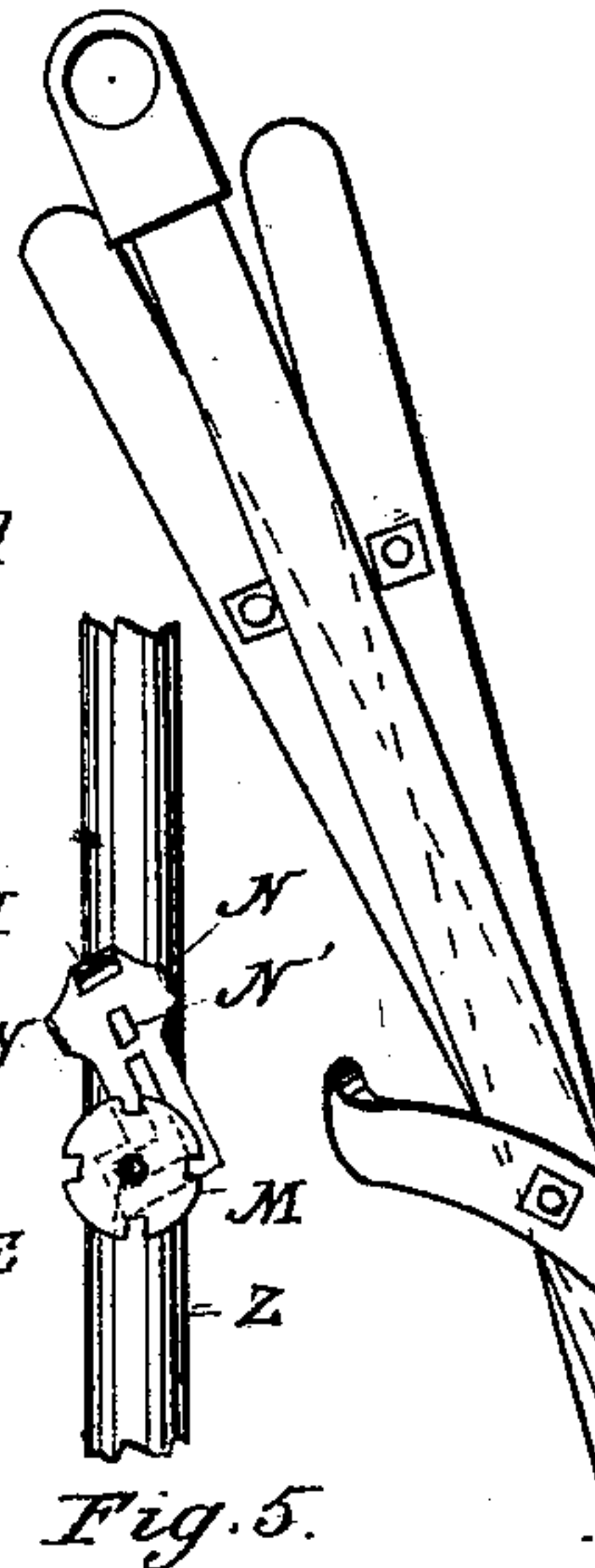


Fig. 6.



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the Estate of

INVENTOR:

Jno. Q. Crosby deceased

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN Q. CROSBY, (HEZEKIAH H. CROSBY, ADMINISTRATOR,) OF YONKERS,
NEW YORK.

HOSE-REEL.

SPECIFICATION forming part of Letters Patent No. 233,990, dated November 2, 1880.

Application filed May 24, 1880. (Model.)

To all whom it may concern:

Be it known that I, JOHN Q. CROSBY, of Yonkers, in the county of Westchester and State of New York, have invented a new and
5 useful Improvement in Garden-Hose Reels, of which the following is a specification.

My invention is an improvement in the class of reels having an iron frame provided with pivoted braces or legs adapted to be folded for
10 the purpose of transportation, &c. The invention relates to the construction of and means for locking the reel proper or the revolving part on which the hose is wound; also, to the construction of the holder for the nozzle of the
15 hose, and to the general combination of parts, as hereinafter described, and specifically indicated in the claims.

In the accompanying drawings, in which like letters of reference indicate like parts,
20 Figure 1 is a side elevation of a device embodying my invention. Fig. 2 is a front elevation of the same, and Fig. 3 a side elevation as closed for storage or transportation; Fig. 4, a view of the nozzle-holder, and Figs.
25 5 and 6 a detail of the locking device between the frame and reel proper.

A A A A, Fig. 2, is the main frame-work of the reel, made of tubular iron, and connected together at the points a' a' a'' a'' , respectively,
30 by elbows and T's. Into the T's a'' a'' are screwed the short nipples B B. This is to provide bearings for the wheels C C, which are counterbored to fit over these nipples, and are also provided with a smaller hole to fit the
35 rod D, which passes through each wheel, and has a nut at each end of said rod. This rod keeps the wheels C C up against the ends of the nipples and retains them in place.

At the point E E of the uprights forming
40 the frame are drilled holes to receive the rod F, which passes through each side of the frame and acts as a journal on which the reel proper rotates. This rod F also holds the braces G G, Fig. 1, against the sides of the frame A A.
45 These braces G G are made of such shape and length as to keep the main frame A A A A in an angular position, so that the center of gravity falls between the wheel C, Fig. 1, and the lower end of the brace G, when in use.
50 These braces are bent at H so as to fit around

the sides A A, and the incline of the frame from a perpendicular is such that the weight of the hose and reel proper keeps the braces extended to their limit. The lower ends of the braces G G are pointed, so as to enter the
55 ground easily. The braces at the lower ends are held apart by the rod I, which has two nuts at each end, one on the inside of the brace and one outside.

The sides of the reel proper, J J', are made
60 of flat wrought-iron, and are kept a proper distance apart by the tubes K K'. The ends of these tubes are capped with a concave washer, L, which has ribs fitting over the sides of the reel, as at L', Fig. 1. The object of this washer
65 is to keep the tubes K K central on the sides J J'. A rod also passes through the tubes, sides, and washers, and is provided with a nut at each end. These rods hold them together.

It will be seen that the sides J' J', Fig. 2, fit
70 between the sides J J, and consequently the tube K is shorter than the tube K'. This is to allow the reel proper to be shut together.

On one side of the reel proper, at O, is a latch, which is fastened to the side J by a rivet
75 or bolt. This latch has a slot at its free end which hooks over a thumb-screw, O'. This latch keeps the frame J J at right angles with the frame J' J' when in use, and by loosening the thumb-nut allows the frames to be closed
80 together.

At the point P, Fig. 2, is a device for locking the reel proper so that it cannot revolve. This is shown in detail in Fig. 5.

Z is a section of the side frame of the hose-
85 reel. M is a circular plate, with notches cut in its edge. It is also provided with ribs on its face, which engage with one of the sides of the reel proper and rotate with said side. Between this circular plate and the tubular frame
90 is a flat plate, N, provided with a projection, N'. This plate has an irregular slot, and the upper portion is bent partly around the frame Z, so that when it is pushed up or down it is kept from turning around. The offset-slot
95 keeps the plate from dropping down and the projection N' from engaging with the circular plate when not desired. It will readily be seen that when this plate N is forced downward the projection N' will engage with the
100

circular plate M and restrain the frame or reel proper from rotating.

On the top cross-tube of the frame A is the nozzle-holder Q. This is shown in detail in Fig. 4. It consists of two shell-shaped halves, S S, jointed together, and having extended projections or feet W W. These halves are so made that the sides interlock with each other in the form of a grapple.

R is a strap, passing on each side of the cross-tube and bifurcated to receive the halves S S. The pin U passes through the sides of the strap R, and forms the rivet-pin on which the halves S S turn. The strap R is also provided with a thumb-screw, T, which abuts against the tube A. It will readily be seen that when this screw is turned against the tube A it draws the strap R down, and this, in turn, causes the projections W W to diverge as they are brought to bear against the tube A. This closes the interlocking portions of the halves together and holds the nozzle securely. The size of the nozzle can vary considerably and still be held rigidly and at any angle in a vertical plane when used as a fountain.

From the foregoing description it will be seen that I have invented a novel and useful improvement in garden-hose reels made of iron and so constructed as to fold up for transportation or storage in a small compass. The

folding features of this reel, of course, are the same whether the reel is constructed of wood, iron, or other materials, and are alike valuable in each; but I prefer the reel to be made of iron.

Having thus described my invention, what I claim is—

1. The sides of the reel proper, J J', in combination with the tubes K K', washers L, bolts V, latch O, thumb-nut O', bolt F, notched plate M, and main frame A A A A, substantially as herein described.

2. The combination, with a supporting-frame, of the nozzle-holder Q, composed of interlocking fingers, extended feet, and strap, with thumb-screw and rivet-pin, substantially as and for the purpose described.

3. The combination, in a garden-hose reel, of the tubular frame A A A A or its equivalent with the folding brace or support G, the collapsible frame or reel proper, J J', with its parts, the locking device P, nozzle-holder Q, and wheels C C, counterbored to fit nipples B, substantially as herein set forth and described.

JOHN Q. CROSBY.

Witnesses:

R. E. VANDERVEER,
LUCILLA CROSBY.