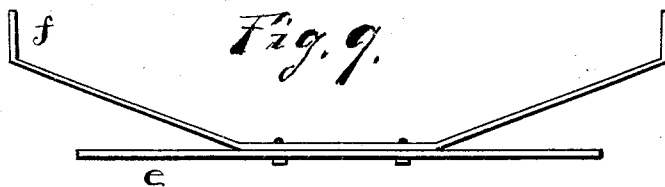
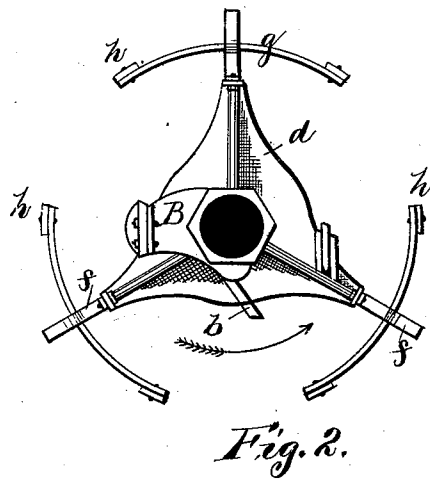
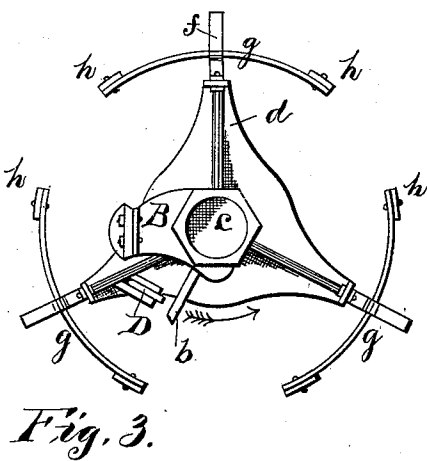
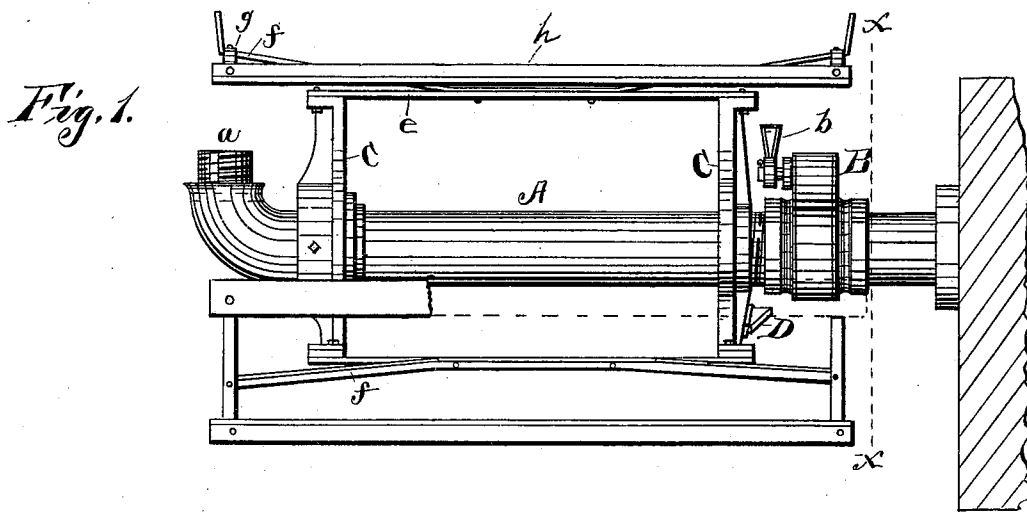


J. B. HUNTER.
HOSE REEL.

No. 521,796.

Patented June 26, 1894.



WITNESSES:

Chas. Marvin.
M. M. Bost

J. B. Hunter INVENTOR
BY
Smith & Denison
ATTORNEYS.

(No Model.)

2 Sheets—Sheet 2.

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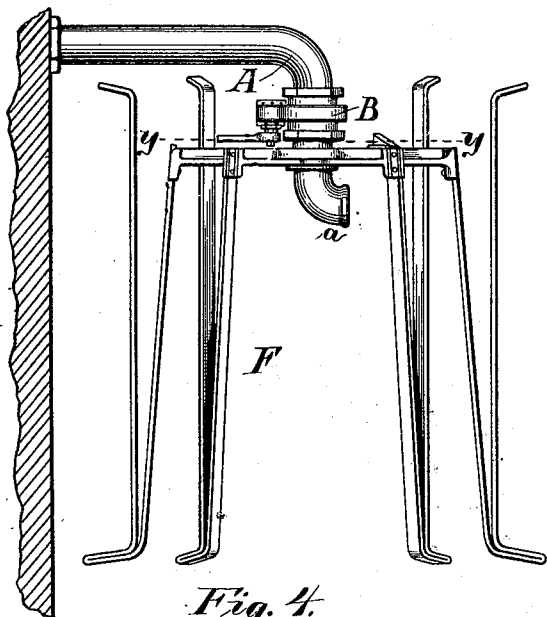


Fig. 4.

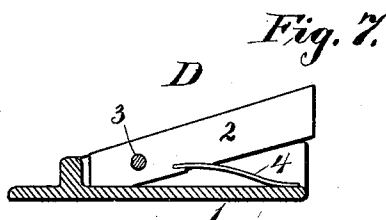


Fig. 7.

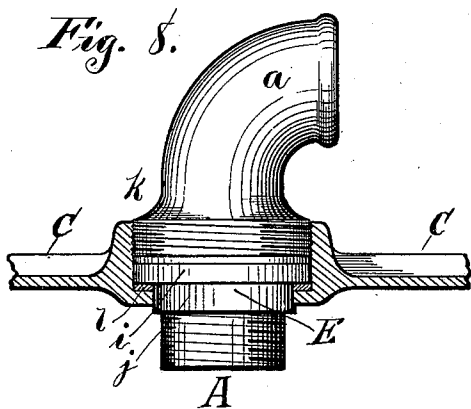


Fig. 8.

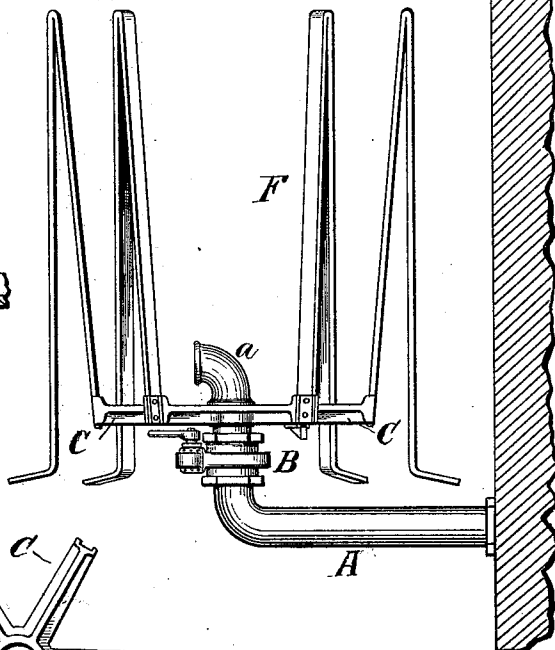


Fig. 5.

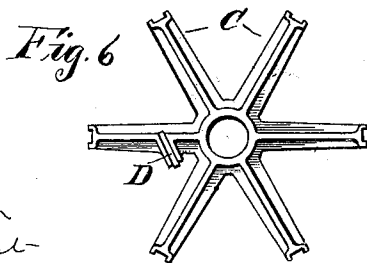


Fig. 6.

WITNESSES:

Chas. Morcom
M. M. Bosh-

JAMES B. HUNTER INVENTOR
BY
SMITH & DENISON
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES B. HUNTER, OF CATO, NEW YORK.

HOSE-REEL.

SPECIFICATION forming part of Letters Patent No. 521,796, dated June 26, 1894.

Application filed December 13, 1893. Serial No. 493,523. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. HUNTER, of Cato, in the county of Cayuga, in the State of New York, have invented new and useful Improvements in Hose-Reels, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to hose reels.

My object is to provide a hose reel adapted to have a fixed connection with the water pipe whereby I am enabled to turn on the water by the rotation of the reel; the particular object being to provide a hose reel which may be used quickly in an emergency, and my further object is to provide a hose reel which is very cheap in its construction, positive in its operation, very durable, and of great utility, and to that end my invention consists in the several new and novel features and combination of parts hereinafter described, and which are specifically set forth in the claims hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1, is a side view of the reel complete, mounted upon a water supply pipe, the hose being removed. Fig. 2, is an end view on line X X with the valve closed. Fig. 3, is a similar view with the valve open. Fig. 4, is a modified form showing the reel mounted vertically upon the end of the water supply pipe. Fig. 5, is a similar view showing the reel reversed. Fig. 6, is a view on line *y-y* in Fig. 4. Fig. 7, is a view of a spring actuated bracket for opening the valve. Fig. 8, is a vertical section of the bracket, showing how it is mounted upon the water supply pipe. Fig. 9 is a side view of the spring arms secured upon the cross-piece.

Similar letters and figures of reference indicate corresponding parts.

A. is the water supplying pipe projecting from the side of the building or wall, as shown, having an upturned end —*a*— to which the hose is adapted to be secured.

B. is a valve secured to the pipe as shown having the wrench arm —*b*— for opening and closing the same.

Inasmuch as the valve —B— is a separate and distinct invention, and having been patented heretofore, I will not further describe it.

C. is a bracket having a central threaded opening —*c*— and arms —*d*— extending therefrom, said arms being any number desired. Upon the ends of these arms is secured a cross piece —*e*— and to which substantially centrally is secured the spring arms —*f*— to which spring arms are secured the curved arms —*g*— as shown in Fig. 3 upon the ends of which arms —*g*— are secured the cross arms —*h*— which support the hose. The cross-pieces —*h*—, curved arms —*g*— and springs —*f*— constitute yielding frames, which carry the hose, each frame being carried by a cross bar —*e*— so as to permit the hose upon the reel to expand and enlarge as it is filled with water, the bars —*e*— being rigid. Upon one of the brackets —C— and adjacent to the valve —B— is a spring actuated bracket —D— which comprises a base, —1— to which the pawl —2— is journaled at —3— and —4— is a strap or coil spring secured between the arm —2— and the base —1— for the purpose of producing a tension to always force the arm —2— out, for the purpose hereinafter set forth.

For the purpose of securing the bracket —C— upon the water pipe, and preventing its wearing the pipe in its rotation, I thread the pipe —A— at a point where the bracket —C— engages it, and then secure on to it the sleeve —E— having the annular rim —*i*— the sleeve —E— being threaded at —*j*—. I then interpose a packing or gasket upon each side of the annular flange —*i*— for the purpose of preventing the water from forcing itself through the joint formed by inserting the arm —*a*— upon the end of the pipe —A—. It will thus be observed that the bracket —C— carrying the hose upon the outer ends may be rotated with ease and facility, and that when the reel is rotated the arm —*b*— will come in contact with the spring actuated piece —2— forcing it back, and opening the valve, then when it is desired to close the valve, and rewind the hose, the arm —*b*— is turned so as to close the valve, and the reel again rotated, each time the arm —*b*— coming in contact with the outer face of the pawl —2— thereby forming a spring ratchet, at the same time allowing it to be depressed, so as not to open the valve.

When I desire to construct a more simple

and less expensive reel, I form the spring arms —V— shaped as shown at —F— in Figs. 4 and 5.

What I claim is—

5 1. A hose-reel comprising the combination with the main-pipe, of brackets journaled thereon and having their extremities connected by cross pieces, springs mounted upon said cross-pieces, curved arms secured upon the
10 free ends of said springs, cross-bars connecting the ends of said arms, a valve in said pipe and means for operating it, and means for connecting the hose to the reel and to said pipe.

15 2. In a hose-reel, the combination with the

main pipe, brackets journaled thereon, cross-pieces connecting their extremities, springs upon said cross-pieces, curved arms transverse to the free ends of said springs, and cross-bars connecting the ends of said arms, 20 in combination with a spring pawl mounted upon said bracket, and a valve in said pipe adapted to be operated by said pawl when the reel is rotated.

In witness whereof I have hereunto set my 25 hand this 31st day of July, 1893.

JAMES B. HUNTER.

In presence of—

C. W. SMITH,

HOWARD P. DENISON.