E. L. ABBOTT.

Combined Lawn-Sprinkler, and Hose-Reel.

No. 215,709. Patented May 27, 1879.

Fig. 1.

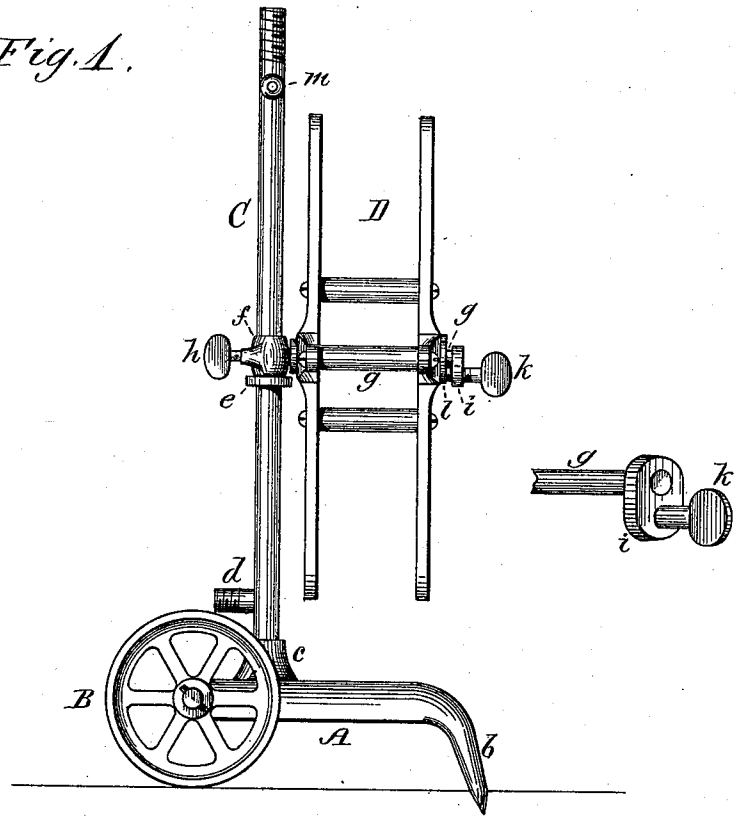
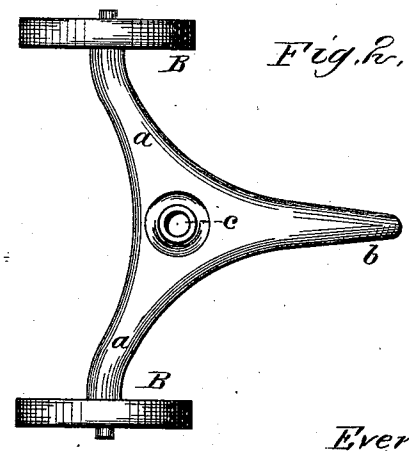



Fig. 2.




WITNESSES

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# UNITED STATES PATENT OFFICE.

EVERETT L. ABBOTT, OF SOUTH BEND, INDIANA.

## IMPROVEMENT IN COMBINED LAWN-SPRINKLER AND HOSE-REEL.

Specification forming part of Letters Patent No. **215,709**, dated May 27, 1879; application filed April 3, 1879.

*To all whom it may concern:*

Be it known that I, EVERETT L. ABBOTT, of South Bend, in the county of St. Joseph and State of Indiana, have invented a new and valuable Improvement in Combined Lawn-Sprinkler and Hose-Reel; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my invention; and Fig. 2 is a top-plan view of the carriage or frame.

This invention has relation more particularly to that class of portable devices or machines employed for the purpose of irrigating or sprinkling lawns or gardens; and the object of the present invention is to construct a simple device having the necessary appliances for connecting it to an engine, water-main, or other source of supply, and also rendering it easily portable and readily handled or operated by the attendant.

The invention therefore consists of a portable frame or carriage having secured thereto a vertical stand-pipe for the supply of water to a suitable rose-head or sprinkler and a hose-reel connected to said stand-pipe.

The invention further consists of a suitable hose-reel connected to the stand-pipe, and capable of horizontal adjustment.

The invention also consists of a device for preventing the hose-reel from revolving when not in use in reeling or unreeling the hose, as will be hereinafter described.

In the accompanying drawings, A represents a carriage or frame, preferably of cast metal, formed with axle-arms *a* and foot *b*. To the ends of the axle-arms *a* are suitable wheels B, and the foot *b* is pointed at its end to form a support for the carriage or frame A, the point entering the ground and holding it stationary while the device is in use.

The carriage or frame A is cast with a socket, *c*, screw-threaded upon its interior, to receive the screw-threaded end of a vertical stand-pipe or tube, C. A set-screw or other suitable means may be used to connect the stand-pipe or tube C within the socket *c*, as found desirable.

To the upper end of the pipe or tube C is connected a suitable rose-head, nozzle, or any other convenient irrigating device, and it may be permanently or removably connected thereto in any manner found most convenient and practicable for sprinkling or irrigating.

Near the lower end of the stand-pipe C is a screw-threaded sleeve, *d*, for attaching thereto one end of a hose-pipe, the other end being connected to an engine, water-main, hydrant, or other source of supply, by which the water is conducted therefrom to the stand-pipe. I do not desire, however, to confine myself to the screw-threaded sleeve, as any other means may be employed for attaching the hose-pipe to the stand-pipe.

To the stand-pipe C is rigidly secured an annular shoulder, *e*, upon which rests and is supported a sleeve, *f*, to which is rigidly connected a horizontal spindle, *g*, carrying a hose-reel, D, of any suitable form and construction. By this arrangement the hose-reel D is horizontally adjustable, and held at the required position by locking the sleeve *f* to the stand-pipe. For this purpose I have shown a set-screw, *h*; but any other means for locking the sleeve may be substituted so long as the reel is capable of horizontal adjustment and locked at the required place around the axis of the stand-pipe C.

When found necessary, the hose-reel may be prevented from revolving by a locking device consisting of a plate, *i*, secured to the outer end of the spindle *g*, and carrying a set-screw, *k*, the end thereof pressing against a metal ring, *l*, upon the front side of the hose-reel, which prevents the reel from revolving upon the spindle.

It will be noticed that, as the locking device is upon the front side of the reel, the set-screw has more surface to act upon, and the spindle is not weakened by frictional contact with the set-screw, or liable to wear away the metal of the spindle, as would be the case where the set-screw is made to bear against the face of the spindle when locking the reel.

If desired, the stand-pipe C, near its upper end, may be provided with handles *m* to af-

ford a grasp in wheeling the device or apparatus from place to place.

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

1. The combination, with a stand-pipe connected to a suitable carriage or frame, of a hose-reel secured to the stand-pipe, substantially as and for the purpose described.

2. The combination, with a carriage or frame having secured thereto a vertical stand-pipe, of a hose-reel horizontally adjustable around the stand-pipe, substantially as and for the purpose set forth.

3. The combination, with a suitable carriage or frame having secured thereto a vertical stand-pipe, of a hose-reel capable of horizontal adjustment around said stand-pipe, and provided with means for preventing the reel from revolving when desired, substantially as and for the purpose specified.

4. A carriage for supporting a suitable standard or stand-pipe, formed of metal, and cast with axle-arms and a foot or brace, substantially as and for the purpose described.

5. A carriage or frame adapted to support a stand-pipe having a reel connected thereto, said carriage or frame cast with axle arms and a pointed foot or brace, substantially as and for the purpose set forth.

6. A carriage or frame carrying a vertical standard or stand-pipe, in combination with a hose-reel connected thereto, and provided with a locking device secured to the front side of the reel, and operating substantially as and for the purpose described.

7. The combination, with a stand-pipe connected to a suitable carriage or frame, of a hose-reel adapted to revolve around a horizontal spindle, provided with a set-screw at the outer end thereof, and pressing against the face of the reel to prevent the same from revolving, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the pres- of two witnesses.

EVERETT L. ABBOTT.

Witnesses:
GEO. PFLEGER,
SOL. KAHN.