(No Model.)

R. D. WIRT.

HOSE REEL.

No. 366,909. Patented July 19, 1887.

Fig. 1.

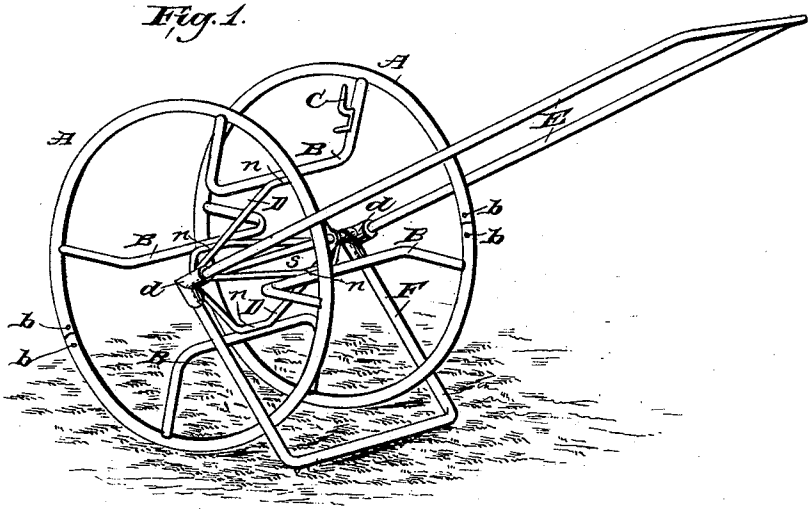


Fig. 4.

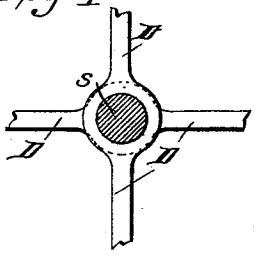
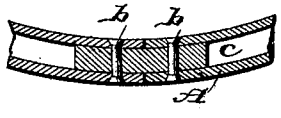


Fig. 2.

Fig. 3.



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REUBEN D. WIRT, OF INDEPENDENCE, MISSOURI.

HOSE-REEL.

SPECIFICATION forming part of Letters Patent No. 366,909, dated July 19, 1887.

Application filed May 18, 1887. Serial No. 238,614. (No model.)

To all whom it may concern:

Be it known that I, REUBEN D. WIRT, of Independence, in the county of Jackson and State of Missouri, have invented a new and useful Improvement in Hose-Reels, of which the following is a full, clear, and exact description.

This invention is mainly designed as an improvement upon the hose-reel for which Letters Patent No. 358,953 were issued to me on March 8, 1887; and it consists in certain novel constructions and combinations of parts, substantially as hereinafter described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a view in perspective of a hose-reel embodying my invention, with the handle in position when not in use. Fig. 2 is a side view showing the handle and brace in position and the reel raised to provide for reeling up hose. Fig. 3 is a sectional view transversely to the reel's axis and upon a larger scale of a portion of one of the circular supporting sections or sides of the reel; and Fig. 4, a detail view of the hub portion of the reel in part transversely to the axis of the reel.

A A indicate the two supporting circular sections or sides of the reel, made, as in my patented reel, to which I have hereinbefore referred, each of a single piece of pipe—such as a gas-pipe—bent into circular form; but instead of being secured at their meeting ends by welding coupling collars or sleeves, said ends are united by pins or rivets *b b*, passing through them and through a filling-block, *c*.

B B are the angular arms uniting the two circular sections or sides A A, the same being cast in malleable iron, or formed, as heretofore, of a small pipe or rod bent to form a straight body portion and opposite angular end portions, and the one of said arms being provided on the inner face of one of its ends with the cleat C, as described in my patent hereinbefore cited, to receive or fasten the end of the hose.

The hub of the reel is formed by cast malleable or bent wrought-iron brackets D D, constituting figures of an approximately parallelogrammic shape and arranged to cross at the axis of the reel. Each bracket D is united, where its adjacent sides join each other, to the body portions of the brackets B, as at *n*, and where they cross at the axis of the reel are fitted to turn on the axle *s*, which is secured at its ends to the elbows 2. This makes a substantial and convenient construction.

E is the handle of the reel, which is free to swing or turn over about the axle or axis of the reel outside of both circular sections A A, and is connected at its inner ends, as by elbow-couplings *d d*, with a bent foot-brace, F, constructed to receive the circular sections A A within it, and arranged to occupy an approximately right-angled position relatively to the handle. This brace F rests upon the ground on one side of the axis of the reel, as shown in Fig. 1, when the reel is not in use, and serves to hold the handle E raised, or in position for readily taking hold of it.

When the hose is reeled and fastened at the cleat C, the handle E is turned over about the axis of the reel to the opposite side of said axis, which throws the brace F above the circular sections A A and puts the reel in condition for wheeling away.

To reel up the hose, the handle E and brace F are turned so that both rest upon the ground and hoist the reel up from the ground, as shown in Fig. 2. This allows the reel to be freely rotated to reel up the hose.

Both the handle E and brace F may be made of gas-pipe to maintain or contribute to the general lightness of the reel and its cheapness and facility of construction.

The interior spider-like frame, composed of the arms B and brackets D, may, when of malleable iron, be cast integral.

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

1. The combination, with the circular sides A A and the spider-like frame consisting of the angular arms B B and the brackets D D,

of the combined foot-brace and handle E F, and the axle *s*, substantially as shown and described.

2. In a hose-reel, the combination of the circular pipe sides or sections A A, the angular arms B B, connecting said sides, the cleat C, the brackets D D, composing the hub, the axle *s*, and the handle E, with its attached foot-brace F, constructed and combined for operation about the axis of the reel and in relation with the circular sides or sections A A, essentially as shown and described.

REUBEN D. WIRT.

Witnesses:
WM. I. MCBRIDE,
MARVIN SMITH.