

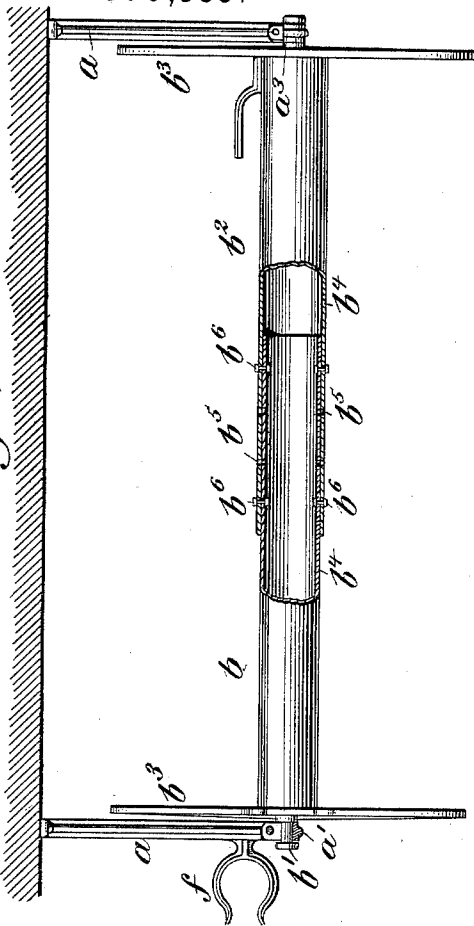
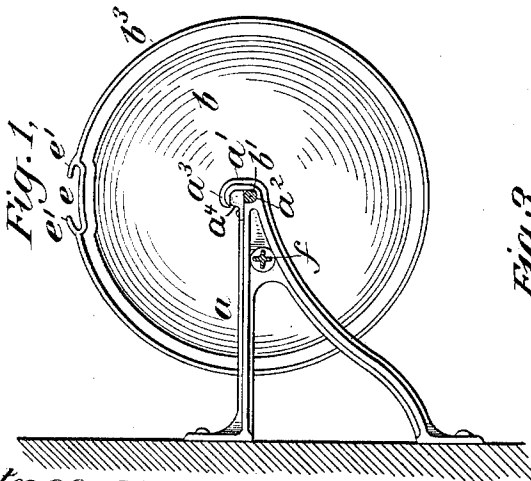
(No Model.)

S. J. MEEKER.
BRACKET HOSE REEL.

No. 600,333.

Patented Mar. 8, 1898.

Fig. 2.



Witnesses:-
R. H. Maynard
A. L. Hayes.

Fig. 5.

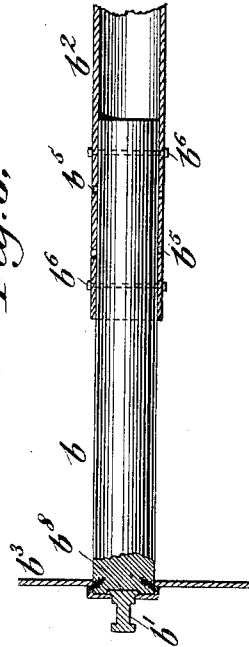


Fig. 4.

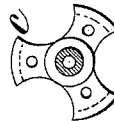
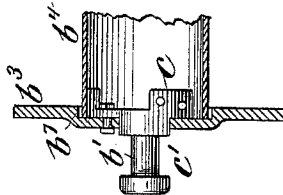


Fig. 3.



Inventor:-

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UNITED STATES PATENT OFFICE.

STEPHEN J. MEEKER, OF NEWARK, NEW JERSEY.

BRACKET HOSE-REEL.

SPECIFICATION forming part of Letters Patent No. 600,333, dated March 8, 1898.

Application filed December 31, 1894. Serial No. 533,374. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN J. MEEKER, a citizen of the United States, and a resident of Newark, Essex county, and State of New Jersey, have invented new and useful Improvements in Bracket Hose-Reels, of which the following description, taken in connection with the drawings herewith accompanying, is a specification.

My present invention relates more particularly to bracket-reels; and it consists in the construction and arrangement of the several parts forming the same, as will hereinafter be set forth in detail, and pointed out in the claims.

Referring to the accompanying drawings, Figure 1 represents an end view of a bracket-reel embodying my invention; Fig. 2, a plan view of the same, showing the axle or reel proper partly broken away; and Figs. 3, 4, and 5, detail views to be hereinafter referred to.

To explain in detail, *a a* represent supporting or bracket arms constructed for attachment to the wall or other desired object and provided with bearings *a'* for the journals *b'* of the reel *b*, upon which latter the hose is adapted to be wound and supported.

The bearings *a'* are formed with a grooved seat or recess *a²*, in which the journals of the reel are adapted to be seated, and with a rearwardly-extending overhanging arm *a³* to form an inclosed space or seat having an opening at its rear side, as shown. By this construction the reel may be readily moved to or from its position on the bracket-arms by passing the journals through the said opening in the bearings *a'* and also be securely held from disconnection therewith when in use, as the strain or pressure upon the same, caused by the unreeling of the hose, is in a forward direction and against the inclosed portion of the bearing, as will be readily understood. As a further guard to retain the said journals *b'* within their seats I have provided a movable arm or latch *a⁴*, which is hinged or pivoted at one end upon the bracket-arm *a* and arranged to swing horizontally to and from a position over the said journal to either lock the same within its seat or allow for its withdrawal.

The reel *b*, which is formed by the axle *b²* and end wheels or guards *b³*, is constructed

with its said axle in two sections *b⁴ b⁴*, one of which is hollow or formed with an opening therein to receive the other, whereby said sections are adjustable longitudinally and in their relation to each other, thus allowing the reel to be adjusted to any desired width, according to the amount of hose to be wound thereon or the location or space in which it is to be placed. One of the sections *b⁴* of the axle *b²* may be formed of a solid piece and move within the other section, as shown in Fig. 5, or both may be formed of hollow tubing, as desired. The said parts or sections are each provided with a series of openings *b⁵* for the insertion of a clamping screw or bolt *b⁶*, by means of which latter the parts may be locked together after the reel has been adjusted to the desired width.

The guards *b³* are provided with a seat or depression *b⁷* on their inner sides, in which the ends of the axle are adapted to be seated and secured, as more clearly shown in Figs. 3 and 5. When a hollow tube is employed for the axle, I use a head or plate *c*, which is fitted in the end of the tube for the securing of the latter thereto by screws or otherwise and provided with an extension *c'*, projecting through a counterpart opening in the guard, as shown in Fig. 3, which is constructed to form the journal for the reel. The said head and guard are adapted to be secured together by screws or other suitable means to prevent endwise movement of the same. By this construction and arrangement of parts the axle, wheel, and journals are held and locked together as though formed of one piece.

In some instances when a solid axle is employed it is secured directly to the guard, in the seat *b⁷* therein, as shown in Fig. 5, and the guard is provided with a detachable journal which is supported within a seat or opening therein and provided with an enlarged head *b⁸*, adapted for contact with the inner wall of the guard, as shown. The journal when thus constructed is held in a fixed position by the abutting end of the axle *b²*, which latter is secured in position by screws, as clearly shown in said Fig. 5.

The guards *b³* are provided on their outer rim or periphery with a seat *e*, in which the free or nozzle end of the hose is adapted to be placed after the latter has been wound upon

the reel. This seat is provided with guard-arms *e' e'* at each end thereof, which project toward each other, as shown, and serve to prevent the hose from slipping from its seat by engaging the edges of the same, as will be readily understood.

f represents a nozzle-holding attachment located in a convenient position upon one of the bracket-arms *a*.

Having thus set forth my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination with a hose-reel provided with journals, of a supporting-bracket provided with a recessed journal-bearing having an inclosing overhanging guard-arm with a space or opening to receive the journal into said bearing, and a pivoted guard fitted within said space or opening to be movable to and from a position therein for retaining the journal within said recessed journal-bearing, substantially as described and for the purpose set forth.

2. A hose-reel having a guard, as at *b*³, provided with a depression in its outer periphery and two arms partially overhanging such depression, substantially as and for the purpose set forth.

3. In a hose-reel, the combination with the supporting bracket-arms, an axle journaled

in said arms and provided with the end guards *b*³, the said guards having a seat or depression in their inner or adjacent sides in which the ends of the axle are fitted, a head or plate fitted within said seat or depression between the guard and axle, having an arm projecting through an opening in said guard to form a journal, and means for rigidly uniting said guards and axle, substantially as described and for the purpose set forth.

4. In a hose-reel, the combination with an axle provided with end guards thereon, of a journal having a head at one end thereof removably supported between the end of said axle and the guard thereon and provided with a flange for connection with the axle, substantially as described and for the purpose set forth.

5. A hose-reel having a guard, as at *b*³, provided with a hose-receiving seat in its outer periphery formed by two arms extending in a direction toward each other and having a space between their ends, between which arms the hose may be inserted and be held thereunder, substantially as and for the purpose set forth.

STEPHEN J. MEEKER.

Witnesses:

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