

(No Model.)

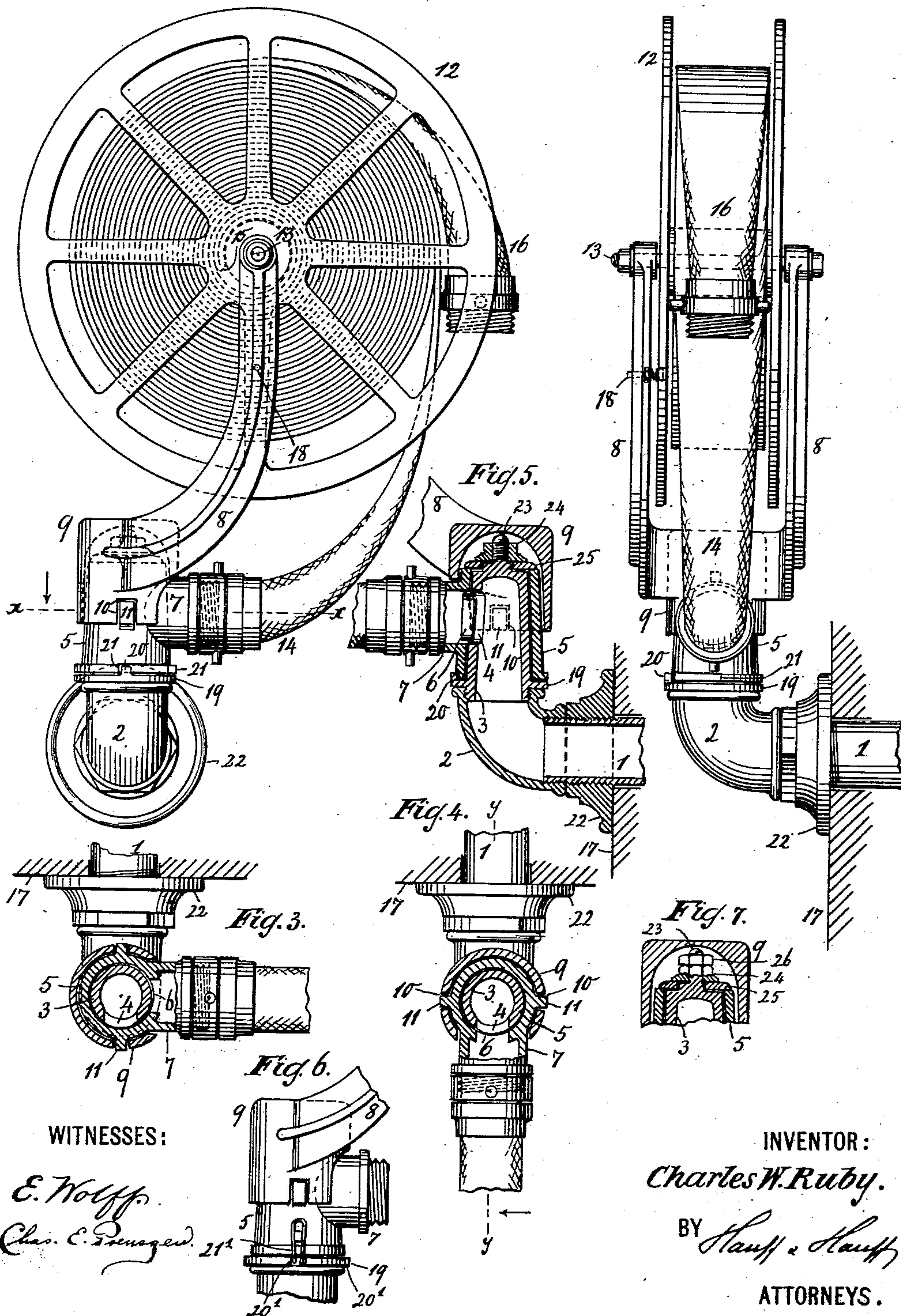
C. W. RUBY.
SUPPORT FOR REELS OR HOSE.

No. 570,819.

Patented Nov. 3, 1896.

Fig. 1.

Fig. 2.



WITNESSES:

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SUPPORT FOR REELS OR HOSE.

SPECIFICATION forming part of Letters Patent No. 570,819, dated November 3, 1896.

Application filed March 12, 1896. Serial No. 582,953. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. RUBY, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Supports for Reels or Hose, of which the following is a specification.

This invention has for its object to provide a new and improved hose-support, and means whereby a stop-cock which controls the supply of water to the hose is opened and closed by the rotation or turning motion of the hose-support.

To accomplish this object my invention consists in the features of construction and in the combination or arrangement of parts hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of a support for a reel or hose. Fig. 2 is an end view of Fig. 1. Fig. 3 is a section along $x x$, Fig. 1, showing the cock closed. Fig. 4 is a section like Fig. 3, showing the cock open. Fig. 5 is a section along $y y$, Fig. 4. Figs. 6 and 7 show modifications.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a water conduit or pipe having an elbow 2, provided with a vertical nipple 3, which is constructed in one side with a discharge or outlet opening 4. A stop-cock comprising a rotary hood or sleeve 5 is rotatably mounted upon the nipple 3, and is constructed with a passage 6, opening into a lateral extension 7, forming a part of or secured to the hood and serving to connect with a hose by any well-known means, as by an ordinary screw-coupling.

The hose-support, as here shown, is composed of a cap or socket 9, having upwardly extending arms 8. The cap or socket 9 is constructed to straddle or clasp the hood 5 composing the stop-cock. The cap or socket 9 and the hood 5 are provided, respectively, with a groove 10 and stud 11, (one or more,) which on interlocking cause the rotation of part 9 to be communicated to cock 5 for opening or closing the latter. The hose-support 8 is curved or extends laterally from the cap

or socket 9, so as to form a lever or handle to enable the ready application of power for operating cock 5.

The hose can be conveniently carried by the support 8. Said hose might be laid on a shelf or ledge on the support, but it is preferable to have the support provided with a hose-reel 12, having its shaft 13 carried by the support. The hose is shown having its end or portion 14 connected to nipple 7. By doubling or folding the hose, so as to form the bight 15, Fig. 1, at about the center part of the hose length, and then reeling or unreeling the hose in its doubled state such hose can be rapidly brought into or put out of use. The hose end or portion 16 serves for attaching a nozzle, as known, which nozzle may be valved or of any suitable kind.

When the hose-support 8 is rotated or turned, the cap or socket 9 rotates the hood 5 for the purpose of opening communication between the nipple 3 and the hose. A reverse motion of the hose-support will cause the hood 5 to close communication between the nipple and the hose.

When the hose-support 8 is set alongside a wall 17, the wall must be recessed or cut away or the elbow 2 must project sufficiently to enable the reel 12 to be swung to transverse position from that indicated in Fig. 2. The reel 12 can be held against accidental rotation by a suitable detachable lock 18, such as a pin or spring-catch, readily withdrawable when required.

The outlet-nipple 3 is shown with a flange or shoulder 19, on which flange rests or turns the cock 5, and this flange and cock having suitable shoulders 20 and 21 the movements of cock 5 will be confined within proper limits.

By having a shoulder 22 bearing against the wall 17 or conduit 1 said conduit or its bent or outlet portion 2 is steadied or braced, so that the swing of support 8 and the turning of cock 5 will not cause any bending or deflection of the conduit 1 or portion 2.

Instead of the lock, as shown at 20 21, the flange 19 might have a slot or depression 20', Fig. 6, and the cock 5 might have a spring tongue or catch 21', which, when snapping or engaging into seat 20', will hold the cock against turning or movement. By pressing catch 21' out of seat 20' the cock is freed to

move or turn. The lock may be so arranged as to lock the cock when open or when closed, or in both positions, as seen fit.

In Fig. 5 the nipple 3 is shown with a screw-stem 23, onto which screws nut 24, holding the washer or diaphragm 25 to the cock 5. The diaphragm 25 is fitted to an angular or non-circular part of nipple 3, so that this diaphragm cannot turn, and the rotation or movements of cock 5 cannot move or affect nut 24. A lock nut or screw 26, Fig. 7, can be applied to nut 24 for additional security. The meeting faces or contact portions of nut 24, diaphragm 25, and cock 5 being properly fitted or ground to one another a tight fit is secured, so that leakage is avoided. By making the diaphragm 25 of metal and dispensing with washers of leather or the like a durable structure is obtained.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a conduit having a discharging-nipple, of a hood rotatably mounted upon the nipple to open and close the same and provided with means to connect with a hose, and a hose-support detachably fitted upon, solely supported by, and serving to rotate the hood to open and close the nipple, substantially as described.

2. A conduit having a stop-cock and a reel or hose support having a clasp or engaging portion made to straddle the cock, said engaging portion and cock being provided with interlocking grooves and tongues (one or more) substantially as described.

3. The combination with a conduit having a water-discharging nipple, of a hood rota-

tably mounted on the nipple to open and close the same and having means to connect with a hose, and a hose-support having a cap or socket fitted over and engaging the hood and serving to rotate the same to open and close the discharge-nipple, substantially as described.

4. The combination with a conduit, of a flanged discharge-nipple connected therewith, a rotatable hood having means to connect with a hose and mounted upon the said nipple to open and close the same, and a hose-support having a cap or socket fitted over and engaging the rotatable hood to turn the latter and thereby open and close the nipple, substantially as described.

5. The combination with a water-conduit having a water-discharging nipple, of a hood rotatably mounted on the nipple to open and close the same and having means to connect with a hose, a hose-support having a cap or socket fitted over the hood and serving to turn the latter to open and close the nipple, and stops for limiting the turning motion of the hood, substantially as described.

6. The combination with a conduit having a rotary stop-cock, of a cap or socket having laterally-extended hose-supporting arms and fitted over the stop-cock to turn and thereby open and close the same, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHARLES W. RUBY.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.