No. 860,529. PATENTED JULY 16, 1907.

C. C. CORLEW.

HOSE COUPLING.

APPLICATION FILED FEB. 20, 1907.

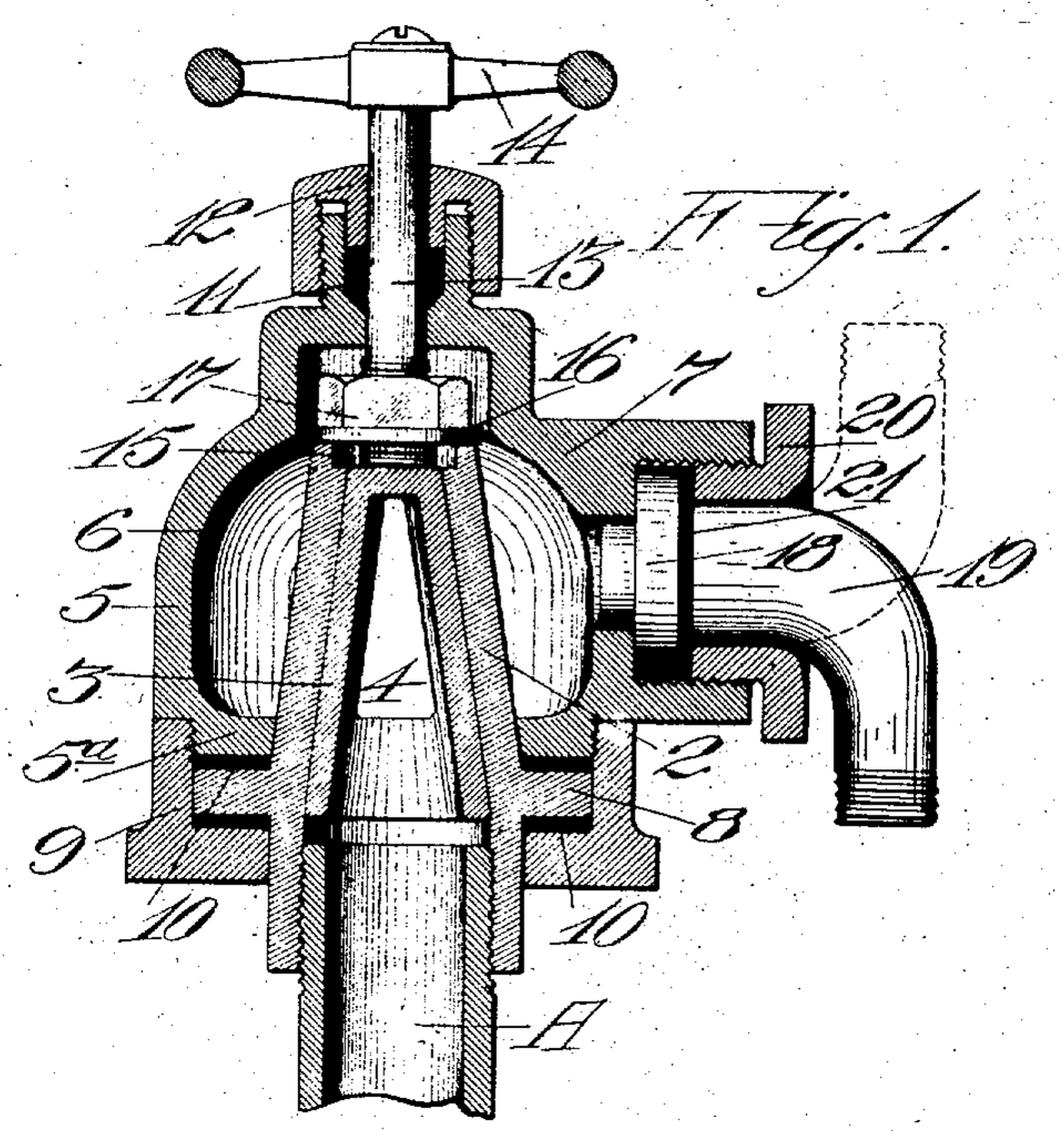

Fig. 1.

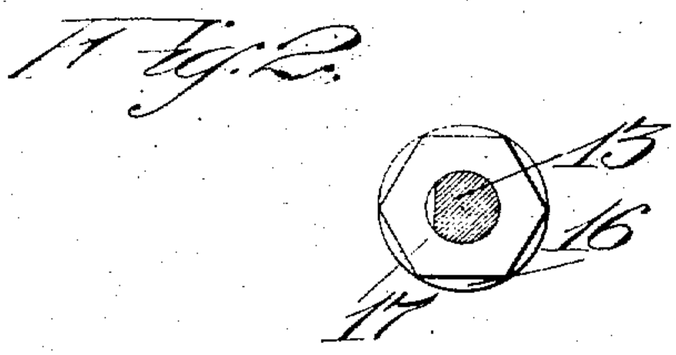

Fig. 2.

WITNESSES:

T. Eastberg

J. L. Towle

INVENTOR

Charles C. Corlew.

BY Geo. H. Strong.

ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES C. CORLEW, OF FRESNO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO L. A. SPENCER, OF OAKLAND, CALIFORNIA.

HOSE-COUPLING.

No. 860,528. Specification of Letters Patent. Patented July 16, 1907.

Application filed February 20, 1907. Serial No. 358,445.

To all whom it may concern:

Be it known that I, CHARLES C. CORLEW, a citizen of the United States, residing at Fresno, in the county of Fresno and State of California, have invented new and useful Improvements in Hose-Couplings, of which the following is a specification.

My invention relates to what may be termed a "hose coupling", but which may also be especially used in connection with stand-pipes and like devices.

It consists in the combination of parts and details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a vertical section showing the construction of my hose coupling. Fig. 2 is a transverse section of the stem showing nut and washer.

It is the object of my invention to provide a connection for hose which will prevent the latter being kinked and folded sharply when used for irrigating and other purposes, which kinking and folding, breaks the canvas and fabric close to the coupling or connection and destroys the value of the hose.

As shown in the drawing, A is a stand-pipe or other part to which connection is to be made.

2 is a tapering or convergent hollow head which is threaded or otherwise adapted to be secured to the upper end of the pipe A. Within this part 2 is a closely fitting, tapering or conical plug 3 having a slot or opening 4 made through it, which may be made to register or coincide with a similar slot in the casing 2, and when this is effected, a passage will be opened for the fluid from the stand-pipe, to such point as it is desired to carry it.

5 is a hollow head having a chamber 6 which incloses the part 2 at a point surrounding the slotted opening 4 so that fluid passing through this opening will be first received into the chamber 6 surrounding the casing or faucet and thence may escape outwardly through the extension 7 which is cast with the part 5, forming a portion of it. The lower portion of the part 5 may fit snugly around the exterior of the part 2, forming a substantially close fit or joint, but having sufficient freedom to turn easily.

A flange 8 extends outwardly from the part 2 at a point above its lower end, and this flange substantially coincides in diameter with the part 5^a, which is screw-threaded to receive a screw-threaded cap 9. Washers are inserted at 10 above and below the flange 8, and when the cap 9 is screwed upon the part 5^a of the head 5, these washers will form a sufficiently close joint in conjunction with the rest of the fitting, to prevent the loss of fluid at this point; at the same time they allow the head 5 to be turned freely around the upwardly projecting casing 2 which forms the water joint.

The upper end of the casing 2 forms a stuffing-box 11 and a suitable cap or gland 12 insures this part against leakage.

13 is a stem having a handle or means as at 14 by which it may be turned. This stem extends downwardly to the head of the plug 3 which is easily turned thereby.

The head or upper end of the casing 2 may be channeled as shown at 15, so that the plug 3 can be drawn up as wear takes place. Above this is a locking washer 16, and a nut 17 screws down upon the washer, and thus secures the turning stem to the plug 3 and makes a substantially tight joint in the upper end of the casing 2.

The outer end of the part 7 receives the head or flange 18 of the elbow 19 which is secured in place by a screw-threaded sleeve or collar 20, and a tight but freely turnable joint is made by this collar, and with a gasket or washer 21 between the collar and the flange of the elbow.

It will be seen by this construction that when the plug 3 is turned within its shell or casing 2 so that the slots or channels 4 register with those in the casing 2, water will pass up through the stand-pipe A, then be diverted outwardly at substantially right angles into the surrounding chamber 6 of the head 5, passing thence freely through the part 7 into the elbow 19 and thence into the hose or other connection.

The freely swiveling joints at 8—18 allow the hose to be pulled and turned in every direction without being compelled to double or fold upon itself, and the hose is thus protected from damage.

The collar 20 is preferably concaved or curved where the outer portion surrounds the elbow 19, and this curvature fitting as it does the inner curve of the elbow 19, allows the latter to be inserted very closely, and the depth of the collar can be made so small as to make a very compact joint at this point.

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

1. In a coupling of the character described, a supply pipe and a hollow tapering casing fixed thereto, said casing having an annular flange near the base, a hollow head surrounding said casing and a screw-threaded cap and washers forming a joint between the head and the casing, a plug fitting the interior of the casing and turnable independently thereof, a chamber in the turnable head, means for delivering water from the interior of the plug and casing into said chamber, a swivel-jointed elbow connecting with the chamber and adapted to receive and direct the discharge therefrom.

2. In a device of the character described, a fixed supply pipe, a hollow casing secured thereto having a packing flange near the bottom, a head and cap turnably fitting said flange and casing, said head having an annular hollow chamber surrounding the upper part of the casing, a hollow plug in open communication with the supply pipe, said

plug having transverse slots closable within the casing and turnable to bring the slots into register with the openings in said casing, a swivel jointed discharge conducting elbow connecting with the chamber in the head, a stem connecting with the valve plug extending through the top of the casing 5, and means for securing it and forming a joint with said chamber.

3. In a device of the character described, a hollow chambered head having an opening in one side and a freely turnable coupling elbow connected therewith, a conically shaped fixed hollow casing about which the head is turnable at right angles with the elbow coupling, a plug fitting the casing and having openings to register with, or close corresponding openings in the casing, and with the chamber in the head.

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

CHARLES C. CORLEW.

Witnesses:
S. H. NOURSE.
FREDERICK E. MAYNARD.