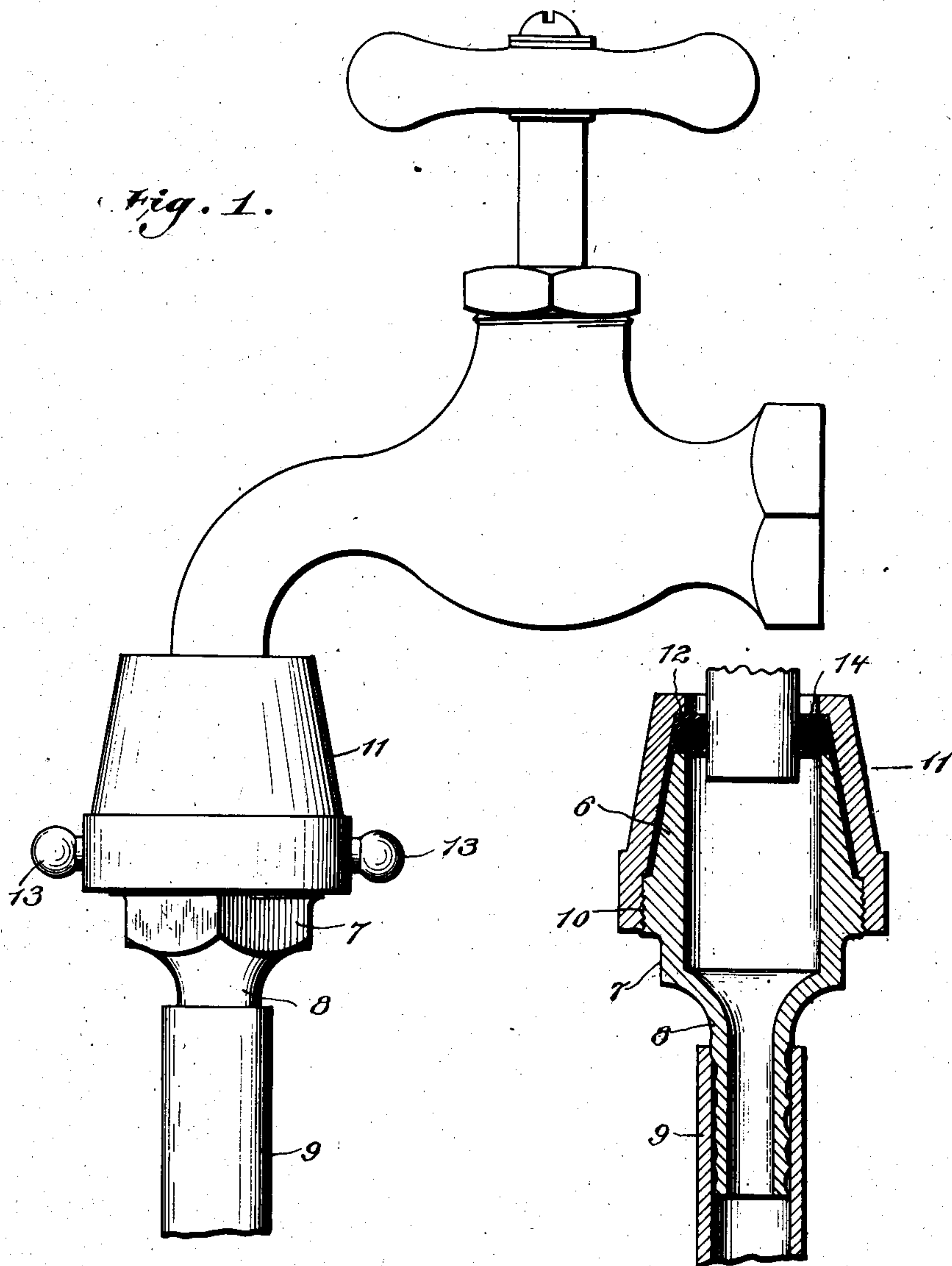


No. 834,891.

PATENTED NOV. 6, 1906.

H. DAY.  
PIPE COUPLING.  
APPLICATION FILED FEB. 16, 1906.



Witnesses

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# UNITED STATES PATENT OFFICE.

HARRY DAY, OF DETROIT, MICHIGAN.

## PIPE-COUPLING.

No. 834,891.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed February 15, 1906. Serial No. 301,212.

*To all whom it may concern:*

Be it known that I, HARRY DAY, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Pipe-Couplings, of which the following is a specification.

This invention is a pipe-coupling designed for making a connection with a faucet or other pipe having a smooth exterior surface without screw-threads or the like. It is especially designed for use in connection with an apparatus for cleaning beer-pipes, in which the cleaning compound is contained in a jar having one pipe which is connected to a faucet and another pipe which is connected to a water-supply for forcing the compound through the faucet and beer-pipes. Such faucets are of different sizes, and this invention is designed to provide a coupling which will make a tight connection with a faucet of any ordinary size.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the coupling. Fig. 2 is a central longitudinal section.

Referring specifically to the drawings, 6 indicates an inner hollow frusto-conical piece which is squared or made hexagonal at its base, as at 7, so that a wrench may be applied to hold the same when the parts are screwed together. This piece also terminates at its lower end in a nipple 8 to receive a tube or hose-pipe 9. The upper part of body of the inner piece has a mouth or opening at the top to receive the faucet, this opening being of sufficient size to take any ordinary faucet, and at the lower end of the inclined portion the piece is exteriorly threaded, as at 10.

The outer frusto-conical sleeve or shell 11 fits over the inner sleeve and has at its upper end an inwardly-projecting flange 12, surrounding the mouth or opening into which the faucet is inserted. At its lower end it has a cylindrical portion threaded to fit upon the threaded cylindrical portion 10 of the inner sleeve and is provided with studs 13, whereby it may be turned.

At 14 is indicated a packing-ring, made of rubber or other compressible material, which is located between the upper end of the inner cone and the flange 12 at the top of the outer cone. The central opening in this ring is smaller than the openings in the top of the cones, and it is adapted to fit tightly against the outer surface of any faucet which may be forced therein.

In use the parts are loosened by unscrewing the outer cone. The coupling is then forced up on the faucet to project the faucet through the ring 14. The outer cone 11 is then screwed down, and its tapered inner surface causes the packing-ring, which rests upon the top of the inner cone, to be contracted to tight contact against the outer surface of the faucet, sufficient force being applied to make a tight joint sufficient for the purpose.

I claim—

1. A pipe-coupling comprising a pair of frusto-conical sleeves screwed together one within the other, the outer sleeve having an inturned flange at its smaller end, and an elastic packing-ring fitting within the outer sleeve between the flange and the small end of the inner sleeve.

2. A pipe-coupling comprising a pair of sleeves one of which fits within the other, the outer sleeve having a tapered body terminating at one end in an inturned flange and at the other end in a cylindrical portion with internal screw-threads, and the inner sleeve having a tapered body and an externally-threaded cylindrical portion at the large end thereof, with a nipple projecting from said cylindrical portion, and packing-ring between said flange and the small end of the inner sleeve.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRY DAY.

Witnesses:

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