

C. Powell,

Hose Coupling.

No. 102,038.

Patented Apr. 19, 1870.

Fig. 1.

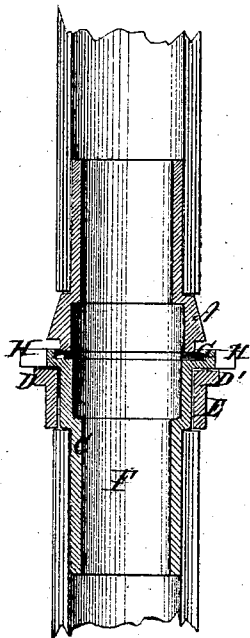


Fig. 2.

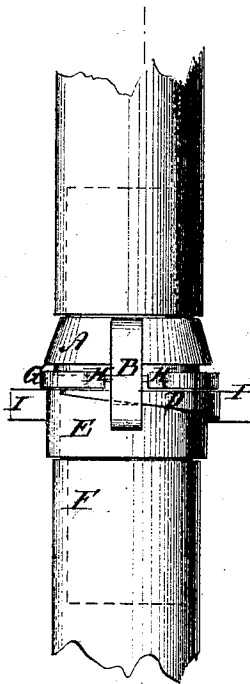


Fig. 3.

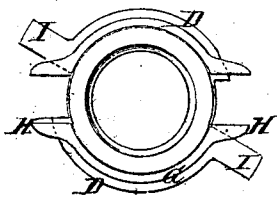
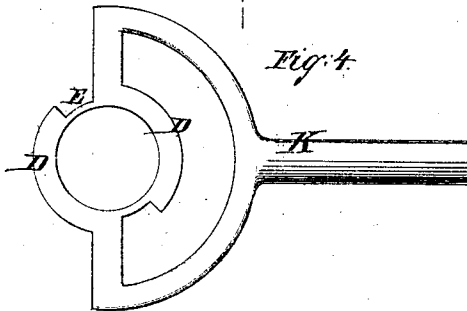


Fig. 4.



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CHARLES POWELL, OF BIRMINGHAM, ENGLAND.

Letters Patent No. 102,038, dated April 19, 1870.

IMPROVEMENT IN HOSE-COUPINGS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, CHARLES POWELL, of Birmingham, England, and Kingdom of Great Britain, have invented a new and improved Hose-Coupling; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in coupling-joints for hose or other pipe; and consists in providing longitudinal brackets or projections on the end of one section with notches fronting the center, and a rotating collar on the other section behind the flange, and spiral flanges for wedging in the said notches when the joints are placed together and the said collar is turned on its section, clamping the flange between it and the flange or end of the other section firmly together.

The flange of the section on which the collar turns has radial notches engaging the projections of the other section, to prevent it from being turned with the revolving wedging-collar by the frictional contact.

The revolving wedging-collar may have lugs for the attachment of a spanner for turning it, or a lever may be permanently attached to it.

Figure 1 is a longitudinal sectional elevation of my improved coupling-joint.

Figure 2 is a side elevation of the same.

Figure 3 is an end elevation of the section with the clamping-ring.

Figure 4 is an end view of the clamping-collar, with a lever attached to it.

A represents the section with the longitudinal projections B at the end, preferably two in number, and arranged opposite each other across the axis.

These projections have notches in the sides fronting the axial line, which receive the spiral flanges D of a collar, E, placed on the section F behind the flange G at the end, as many spiral flanges D being placed on the collar E as there are projections B on the section A.

The flange G of the section F has notched projections, H, in which the projections B engage where the ends of the two sections are placed together, so as to prevent the section F from turning with the collar E by the frictional contact thereof.

The collar E is provided with lugs, I, for the attachment of a spanner for turning it, or it may have a hand-lever, K, permanently attached to it.

A packing-gasket, of any suitable substance, may be placed between the ends of the sections before they are clamped together.

Having thus described my invention,

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

The section A, provided with notched projections B, and the section F, provided with the collar E, with spiral flanges D, all combined and arranged substantially as specified.

CHARLES POWELL.

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