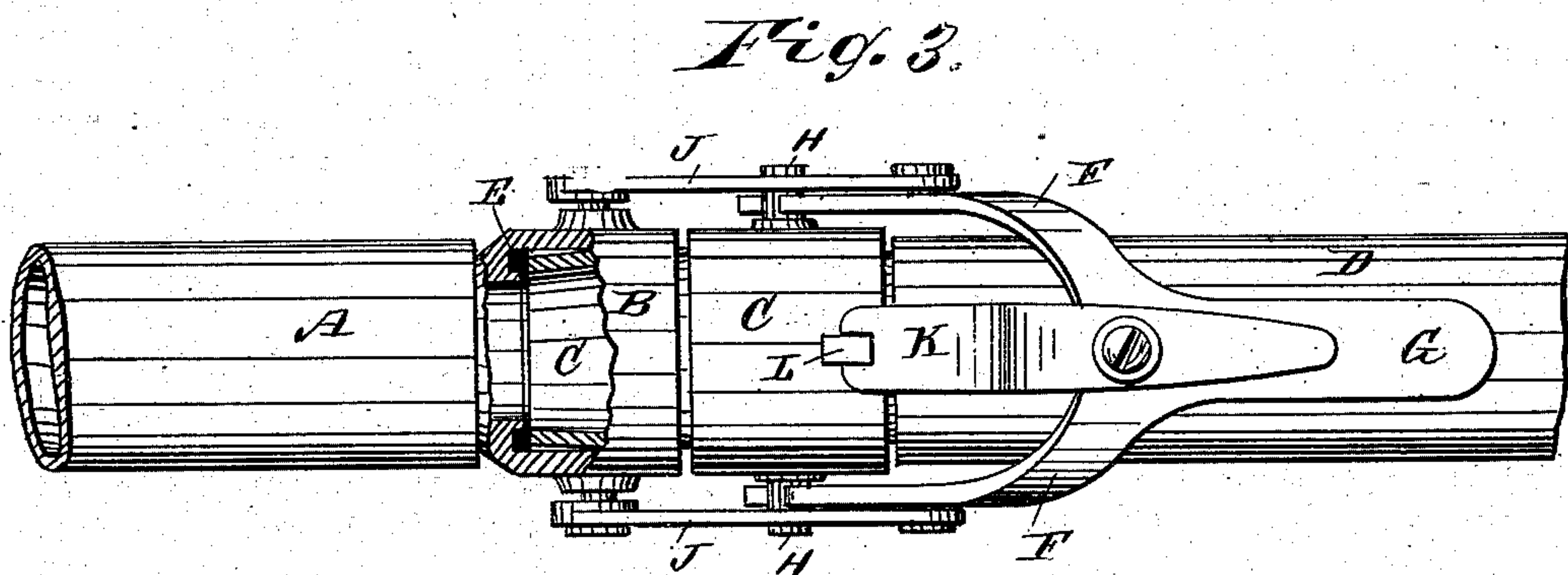
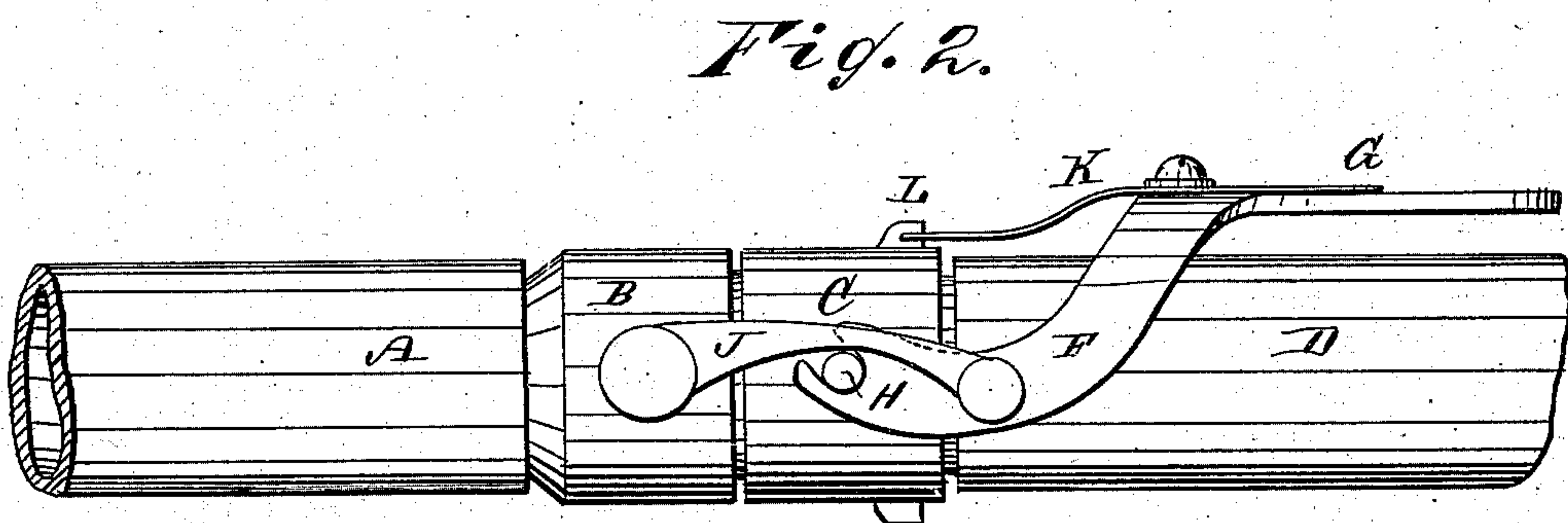
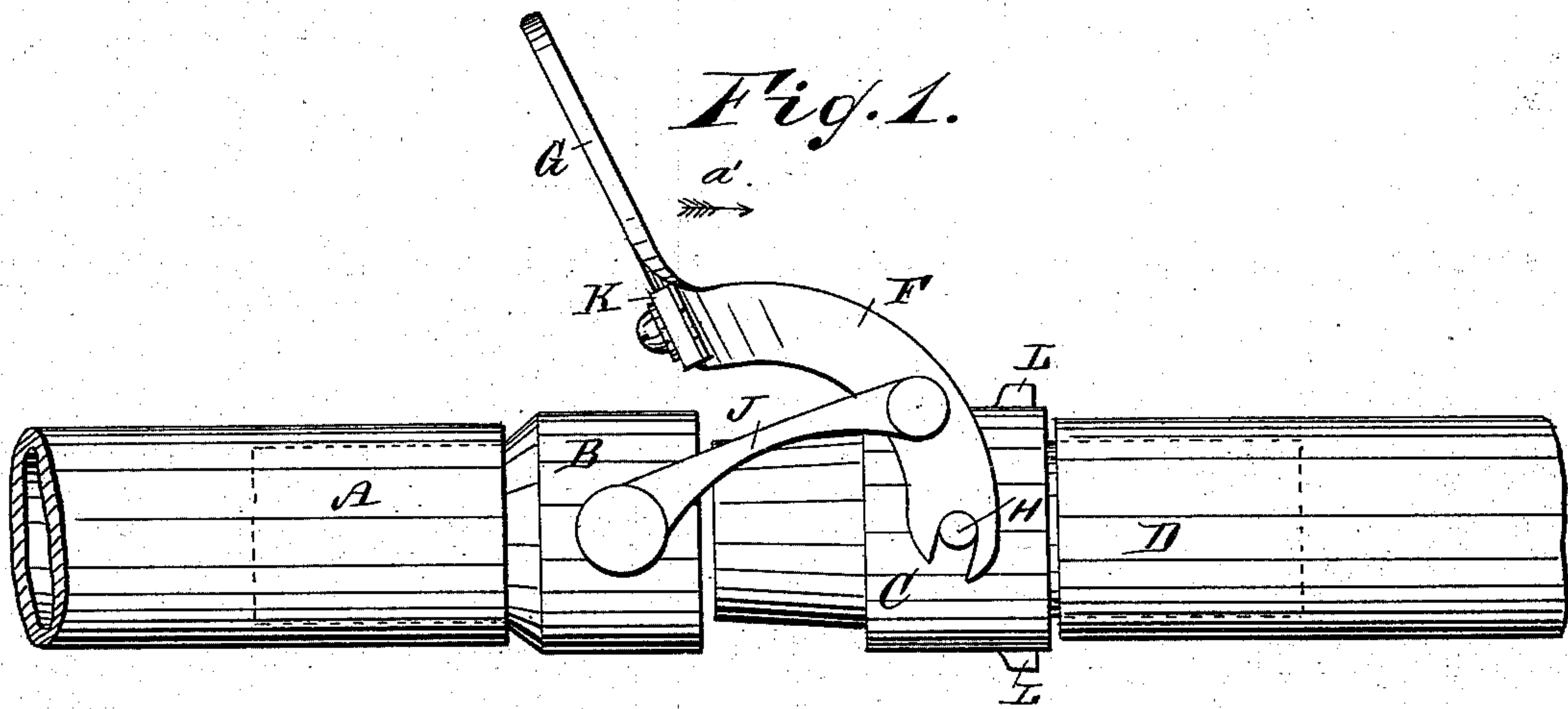


(No Model.)

S. HAMER.
HOSE COUPLING.

No. 293,453.

Patented Feb. 12, 1884.



WITNESSES:

Theo. G. Foster.
C. Sedgwick

INVENTOR:

S. Hamer
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

SAMUEL HAMER, OF SALT LAKE CITY, UTAH TERRITORY.

HOSE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 293,453, dated February 12, 1884.

Application filed September 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL HAMER, of Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented a new and Improved Hose-Coupling, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved hose-coupling which can be locked so that it cannot become uncoupled accidentally.

The invention consists in a hose-coupling formed of a fork held by links to a socket on one hose-section, and adapted to catch on studs projecting from a neck on the opposite hose-section, said fork being provided with a spring for locking it in place when the hose-sections are coupled.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved hose-coupling, showing the two hose-sections uncoupled. Fig. 2 is a like view, showing them coupled. Fig. 3 is a plan view, showing the two sections coupled, parts being broken out and others shown in section.

On the end of one hose-section, A, a tubular socket, B, is held and fastened, which is adapted to receive the tapering neck C on the end of the other hose-section, D. A packing-ring, E, is held in a groove in the bottom of the socket B, against which ring the outer end of the neck C can be held. A fork, F, terminating in a lever-handle, G, has the ends of its prongs notched or recessed, and the said notched or recessed ends rest on two pins or studs, H, projecting from diametrically-opposite points of the cylindrical part of the neck B. Two links, J, are pivoted to the prongs of the fork F, near the ends, the opposite ends of the said links being pivoted to the outside of the socket B at diametrically-opposite points. The fork F is thus held to the socket B by the links, and can be detached entirely from the neck C, which can turn freely after having

been uncoupled. A spring lever or latch, K, is pivoted on the cross-piece of the fork F, at the base of the handle, and this spring-latch lever has an end notch. The neck C is provided with diametrically-opposite studs L, which are adapted to be passed into the notch in the spring-latch lever K.

The operation is as follows: If two hose-sections are to be coupled, the tapering part of the neck C is passed into the socket B, the notched ends of the fork F are rested on the studs H, and the fork F is swung in the direction of the arrow *a'*, thereby drawing the socket B over the neck and pushing the neck into the socket. During this operation the latch K has been at right angles to the handle G. When the two sections are coupled, the latch-lever K is swung to be parallel with the handle G, and so that one of the studs L can pass into the notch in the latch-lever K, thereby locking the lever in place, which in turn locks the fork in place, and thereby prevents accidental uncoupling.

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

1. A hose-coupling constructed with a fork united with one hose-section by links, with its bifurcated end adapted to receive pins or studs, on the other hose-section, which fork is provided with a spring-catch for locking the fork in place when the hose-sections are coupled.

2. In a hose-coupling, the combination, with the socket B, of the fork F, having notched ends, the links J, and the neck C, having studs H, substantially as herein shown and described.

3. In a hose-coupling, the combination, with the socket B, of the links J, the fork F, the neck C, having studs L, and the notched spring catch or lever K, pivoted on the fork F, substantially as herein shown and described.

SAMUEL HAMER.

Witnesses:

R. C. BADGER,
SAML. H. HILL.