

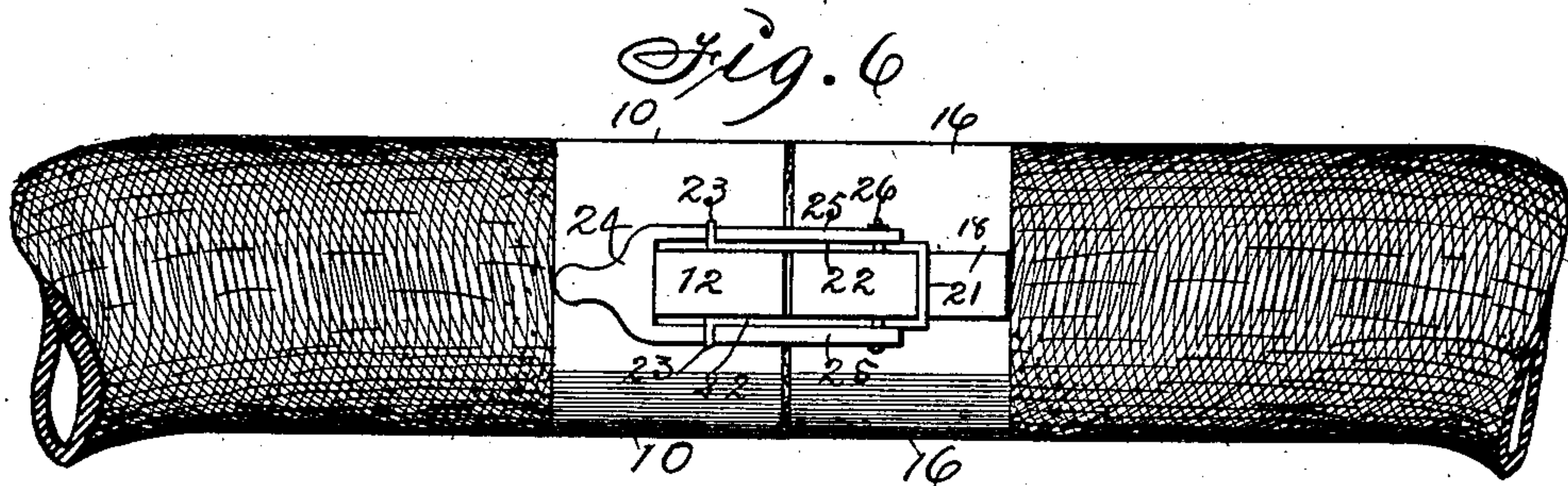
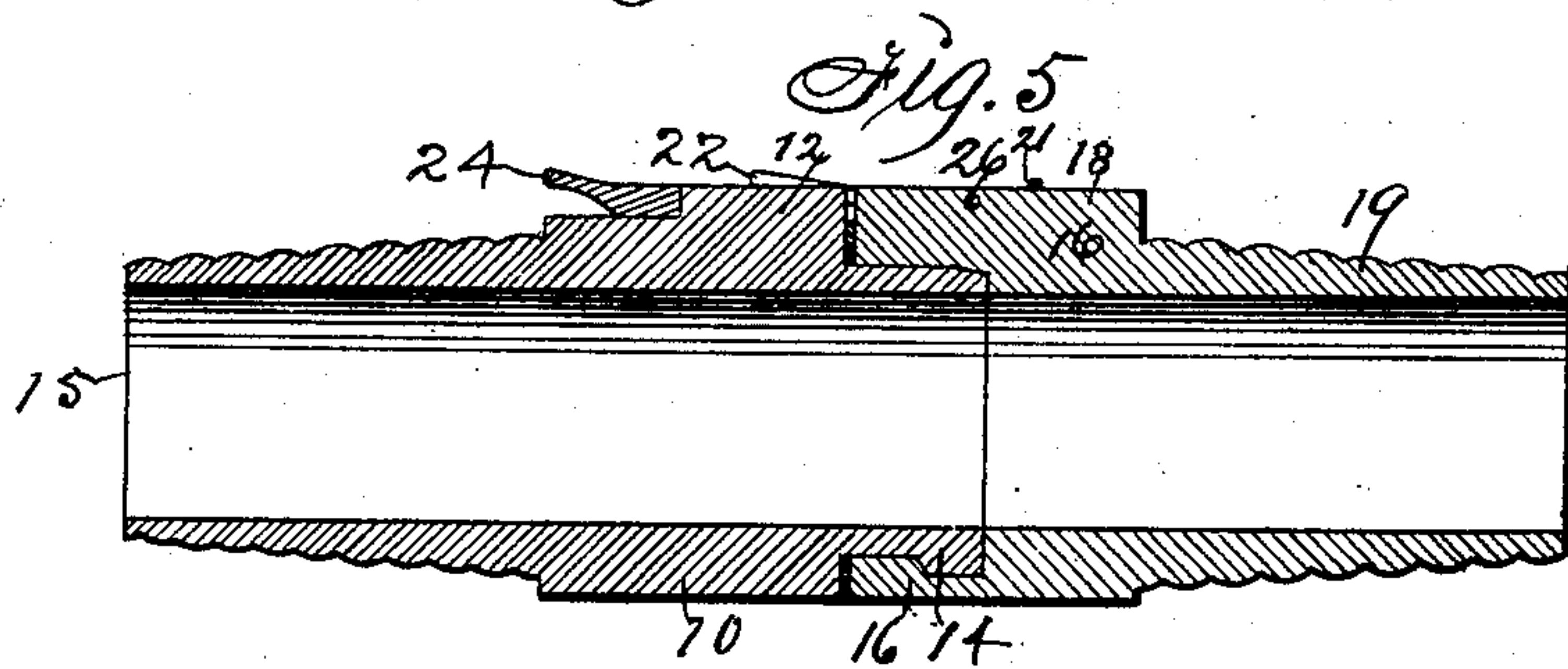
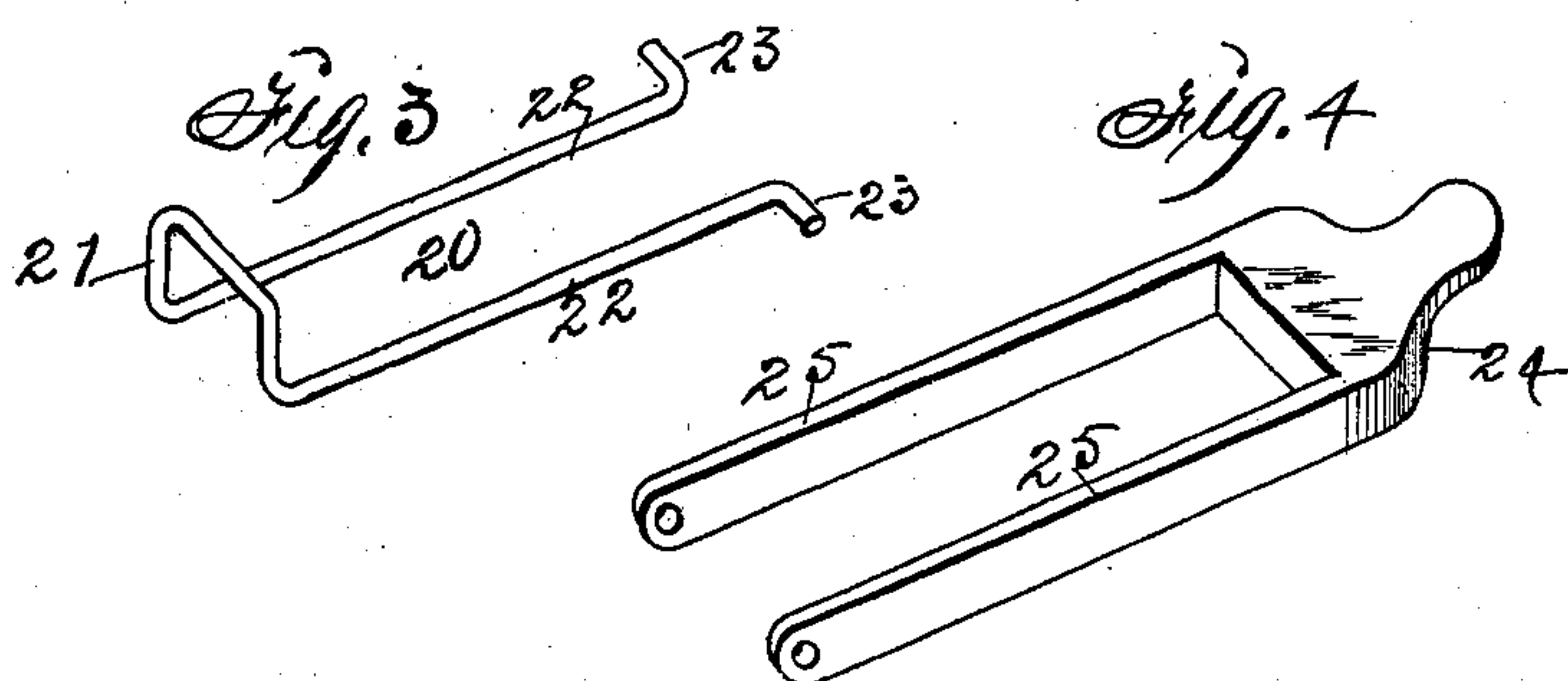
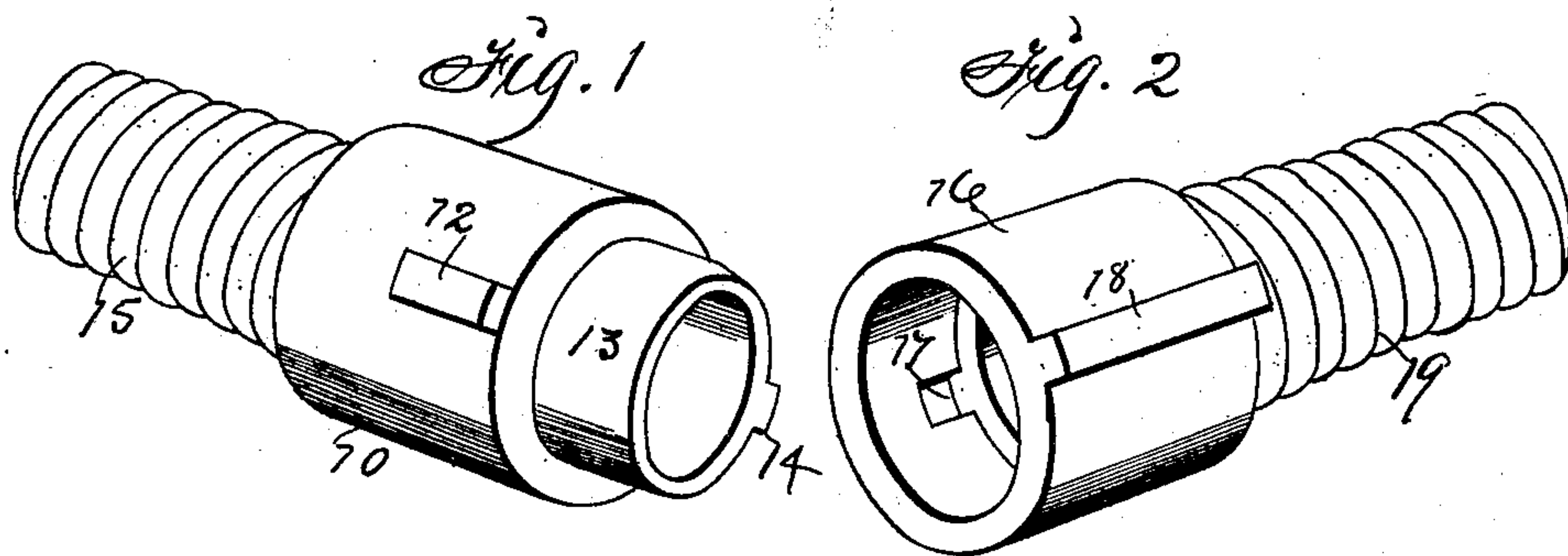
No. 734,414.

PATENTED JULY 21, 1903.

A. FREEMAN.  
HOSE COUPLING.

APPLICATION FILED APR. 7, 1903.

NO MODEL.



Witnesses:

J. J. Feibrock.  
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# UNITED STATES PATENT OFFICE.

AUGUST FREEMAN, OF NEWHALL, IOWA.

## HOSE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 734,414, dated July 21, 1903.

Application filed April 7, 1903. Serial No. 151,546. (No model.)

*To all whom it may concern:*

Be it known that I, AUGUST FREEMAN, a citizen of the United States, residing at Newhall, in the county of Benton and State of Iowa, have invented a new and useful Hose-Coupling, of which the following is a specification.

My object is to prevent the difficulties and delays incident to coupling hose when it is important in case of fire and other occasions to couple and uncouple sections of hose quickly.

A further object is to avoid the need of a screw-joint and a wrench or other tool or extraneous device in coupling and uncoupling.

My invention consists in a coupling adapted to be readily operated by means of a person's hands and is constructed as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of one of the members of the coupling, and Fig. 2 of the mating member. Fig. 3 is a perspective view of a spring adapted for locking the two mating members together. Fig. 4 is perspective view of a handle adapted to be pivotally connected with one of the members for operating the spring. Fig. 5 is a longitudinal sectional view that shows the two members connected. Fig. 6 shows the complete coupling locked as required for practical use.

The numeral 10 designates the cylindrical tubular body portion of one of the members provided with an abutment 12 on its exterior that is adapted to engage and lock a handle pivoted to the mating member. An extension 13 of smaller diameter has a chamfered edge and an integral lug 14 on its under side adapted to enter a corresponding cavity in the mating member. At the rear end of the body portion 10 is a tapering and spirally-grooved extension adapted for detachably fastening a flexible hose thereto. The mating member has a head end 16, adapted to admit the extension 13 on the other member, and a cavity 17 on its inside adapted to admit the lug 14, as shown in Fig. 5, and an enlargement 18 on its exterior for connecting the spring and handle therewith. Its rear end 19 corresponds with the extension 15 of the other member.

The spring 20 is made of a single piece of wire or rod and has a loop 21 at one end adapted to overlie the part 18 of the one mem-

ber and parallel arms 22 to extend over the other member and that terminate in outward bends 23, that overlie the branches of the handle, as shown in Fig. 6, when the two members are coupled and locked together.

The handle 24 has parallel branches 25, adapted to be jointly pivoted to the enlargement 18 of the one member by a bolt 26 and to engage the abutment 12 as required to lock the two members together.

The arms 22 of the spring are under the bolt 26 and their ends 23 extended across the tops of the branches 25, and the spring normally presses the handle down to retain it in engagement with the abutment 12 as required to lock all the parts together, as shown in Figs. 5 and 6.

It is obvious the complete coupling may vary in size as required for sections of flexible hose 27, that are to be attached to the mating members of the coupling.

To couple and lock the two members together, it is only necessary to lift the handle 24, insert the lug 14 in the cavity 17, and then bring the two members into alignment and allow the spring 20 to press the handle down into engagement with the abutment 12, as shown in Fig. 5. To unlock and uncouple, simply lift the handle and separate the two members.

Having thus described the purpose of my invention and its construction and operation, the practical utility thereof will be obvious to persons familiar with the art to which it pertains.

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

1. In a hose-coupling, a cylindrical tubular member having an enlargement on its exterior and front end, a cavity in its interior and front end and a rear end portion adapted for connecting a flexible hose therewith and a handle having parallel branches pivoted to the exterior enlargement, and a spring having a loop adapted to overlie said enlargement and parallel arms bent outward at their ends to overlie the parallel branches of the handle, arranged and combined as set forth for the purposes stated.

2. In a hose-coupling, a cylindrical tubular member having an enlargement on its exterior and front end, a cavity in its interior

and front end, a rear end portion adapted for connecting a flexible hose therewith, a handle having parallel branches pivoted to the exterior enlargement and a spring having a  
5 loop at one end and parallel arms bent outward at their free ends, arranged and combined to operate in the manner set forth for the purposes stated.

3. A hose-coupling comprising a cylindrical  
10 tubular member having an abutment on its exterior, a forward extension of less diameter and a lug on the exterior of said extension and a rear portion for connecting flexible hose therewith, a mating member having

an enlargement on its exterior, a cavity in its interior and a rear extension for connecting  
15 a flexible hose therewith, a spring having a loop at one end and parallel arms bent outward at their ends, a handle having parallel branches, and a bolt for connecting the handle and spring with the enlargement on the  
20 exterior of one of the members, arranged and combined to operate in the manner set forth for the purposes stated.

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Witnesses:

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