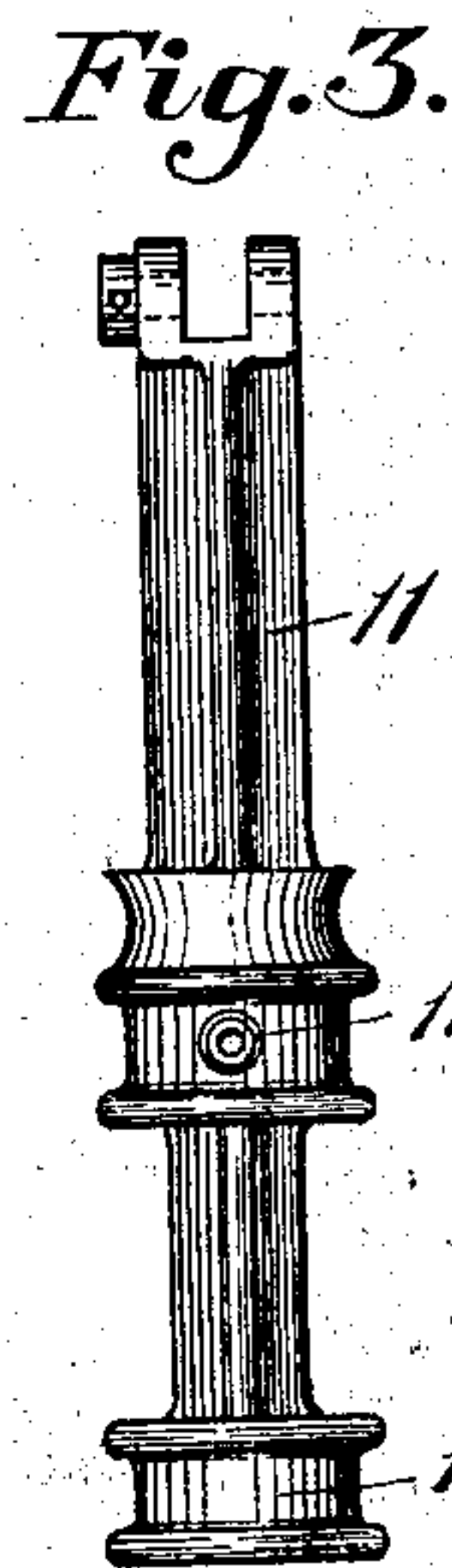
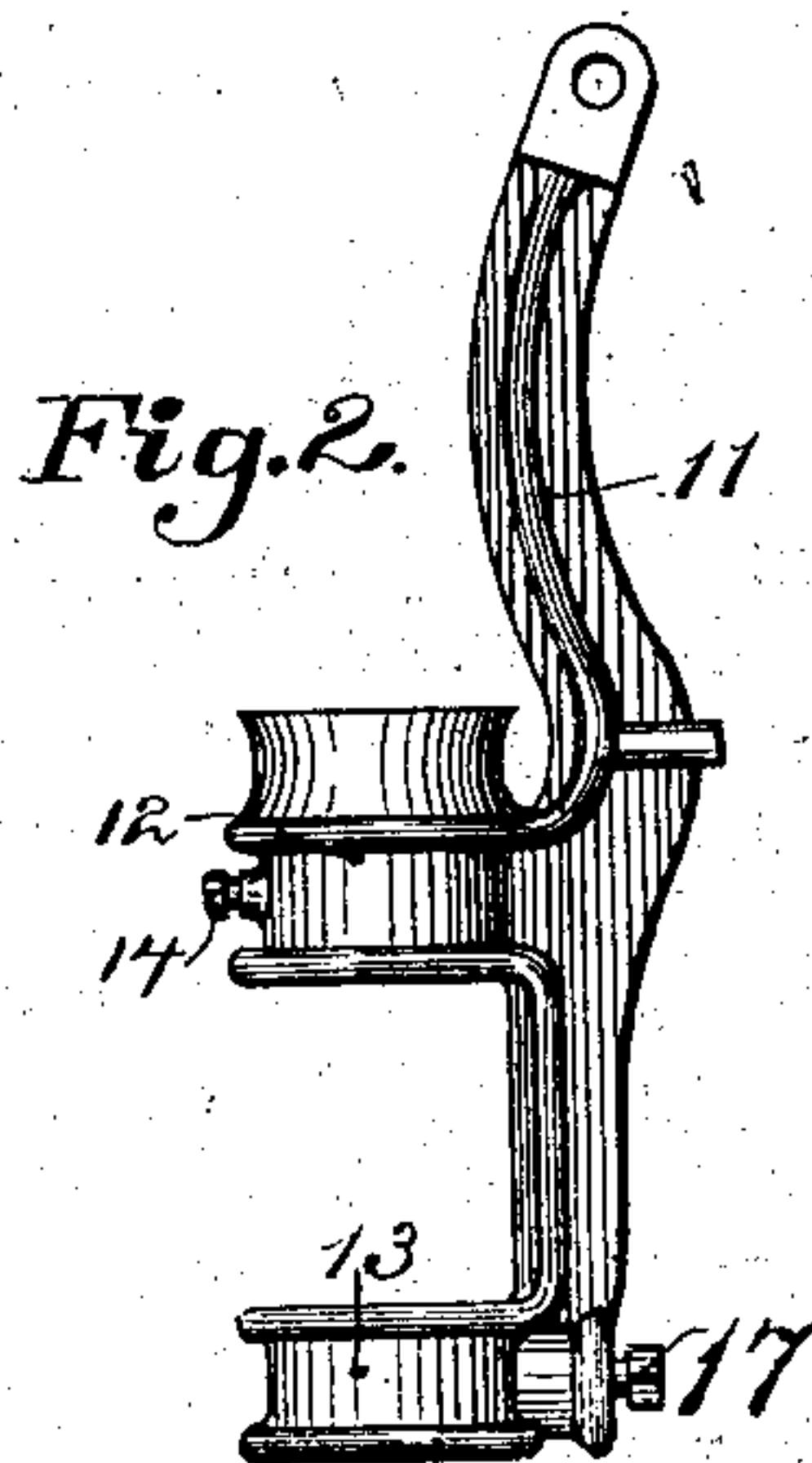
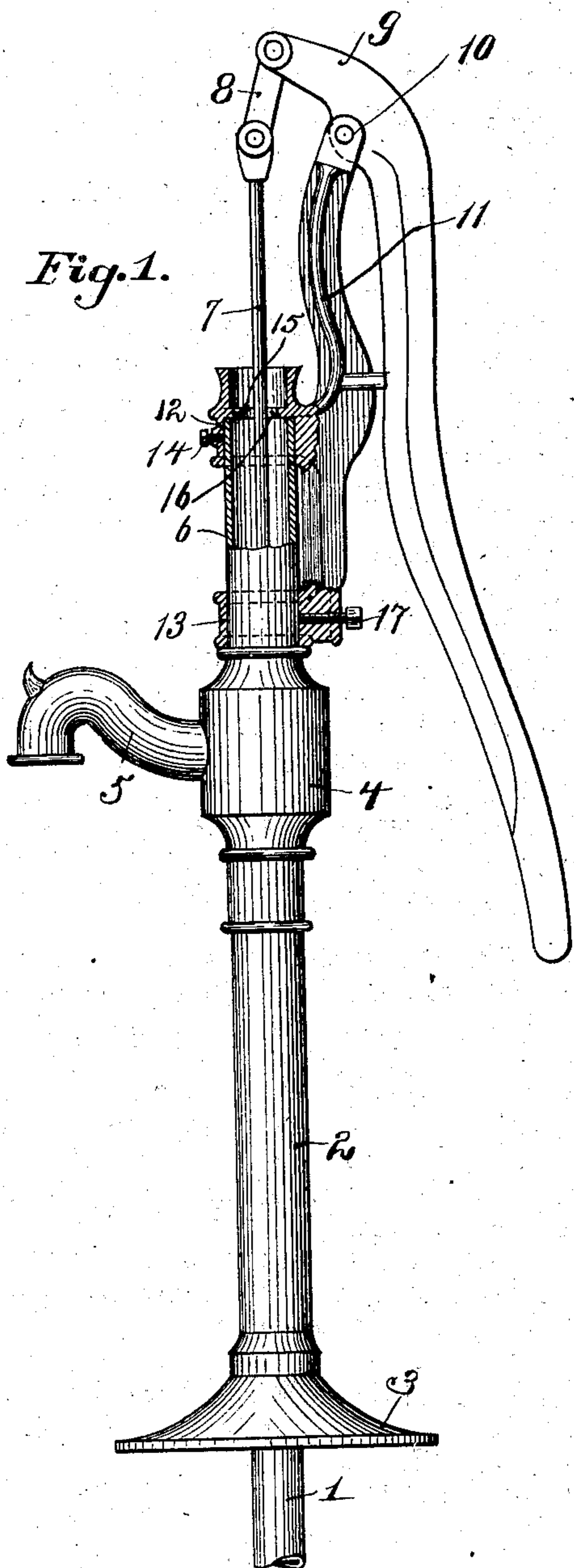


No. 728,402.

PATENTED MAY 19, 1903.

T. E. LONG.  
HANDLE BEARER FOR PUMPS.  
APPLICATION FILED JUNE 8, 1901.

NO MODEL.



Witnesses:

Walter Samaniss  
Fred O. Sweet.

Inventor:

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# UNITED STATES PATENT OFFICE.

THOMAS E. LONG, OF BELLEVUE, PENNSYLVANIA.

## HANDLE-BEARER FOR PUMPS.

SPECIFICATION forming part of Letters Patent No. 728,402, dated May 19, 1903.

Application filed June 8, 1901. Serial No. 63,676. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS E. LONG, a resident of Bellevue, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Handle-Bearers for Pumps; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to a handle-bearer or fulcrum for pumps; and its object is to provide a handle-bearer which can be easily put in place and removed from the pump in case of repairs and which forms a strong and durable connection with the pump pipe or body.

Heretofore the handle-bearer or fulcrum-arm for pumps has comprised a fulcrum-arm to which the handle was connected, said fulcrum-arm having a single collar or sleeve surrounding the pump body or pipe, or else the said handle-bearer has had two sleeves or collars surrounding the pump-body, one above and the other below the spout-piece. In the former case the connection of the handle-bearer to the pump-body was necessarily weak, whereas in the latter case the handle-bearer could not be removed for purposes of repair without first removing a part of the pump-body.

It is the object of my invention to overcome these difficulties and to provide a handle-bearer for pumps which forms a strong and durable connection with the pump-body and which can be readily removed and replaced in case of repairs.

To these ends it comprises a fulcrum-arm in which the handle is pivoted and two loops or collars joined together and adapted to slip over the pump pipe or body and engage the same at different vertical points above the spout-piece.

In the accompanying drawings, Figure 1 is a view, partly in section, showing a pump with my improvement applied thereto. Fig. 2 is a side view of the handle-bearer alone, and Fig. 3 is a front view of the same.

The pump may be of any desired construction, and, as shown, it comprises the pipe or tube 1, which is surrounded by the casing 2, the latter being provided with the foot 3 and with the spout-piece 4, from which leads the out-flowing-spout 5. The pump-body above the spout-piece 4 is provided with the tubular ex-

tension 6, through which passes the pump-rod 7, connected at its upper end by the link 8 to the inner end of the handle 9. The handle 9 is fulcrumed at 10 in the arm 11 of the handle-bearer, said arm being provided with two sleeves or collars 12 and 13, which encircle the extension 6 of the pump-body and which engage the same at two different points vertically above the spout-piece 4. The loop 12 is preferably provided with the web 15, which rests on the top of the extension 6 and closes the top of the latter, said web having a slot 16, through which the pump-rod 7 passes. Ordinarily the handle-bearer will stay in place without further fastening; but in case this should be necessary the handle-bearer may be secured to the pump-body by a set-screw 14 passing through the loop or collar 12 and biting against the extension 6. A bolt 17 may be tapped into the loop or collar 13 and serve for securing the upper end of a brace-rod for staying the pump-body, if necessary.

The tubular extension 6 may be of any desired cross-section, either regular or irregular, and the loops or collars 12 and 13 may be made to conform thereto or may be merely circular. In any event they will slip readily over the tubular extension, and they can easily be secured thereto by means of the set-screw 14, and in the event of breakage or repair the handle-bearer can be easily removed by merely loosening this screw and without the necessity of interfering with or removing any other part of the pump-body.

While I have shown the fulcrum-arm 11 and collars or loops 12 and 13 formed in one integral piece, I do not intend to be limited in this particular, as they may be made in several pieces suitably secured together. The collars 12 and 13, while they engage the tubular extension or pipe 6 above the spout-piece 4, are a considerable distance apart, so that they form a firm and rigid connection between the fulcrum-arm 11 and the pump-body and one which will not permit the rocking or deflection of the fulcrum-arm.

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

1. A pump-handle bearer comprising two collars or loops adapted to slip over the pump pipe or body extension and engage the same



at different vertical points above the spout, and a fulcrum-arm for the handle projecting upwardly from the upper collar or loop.

2. A pump-handle bearer comprising two  
5 collars or loops adapted to slip over the pump pipe or body extension and engage the same at different vertical points above the spout, the upper one of said loops being provided with a perforated internal web, and a fulcrum-  
10 arm for the handle projecting upwardly from the upper loop or collar.

3. A pump comprising the pump casing or body, a spout, a plain straight tubular extension above the same, and a handle-bearer com-  
15 prising two collars or loops adapted to slip over the tubular extension and engage the same at different vertical points above the spout, and a fulcrum-arm for the handle pro-

jecting upwardly from the upper loop or collar.

4. A pump comprising a pump casing or body, a spout, a plain straight tubular extension above the same, and a handle-bearer comprising two collars or loops adapted to slip  
25 over the tubular extension and engage the same at different vertical points above the spout, the upper of said loops being provided with a perforated internal web, and a fulcrum-arm for the handle projecting upwardly from the upper loop or collar.

In testimony whereof I, the said THOMAS E. LONG, have hereunto set my hand.

THOMAS E. LONG.

Witnesses:

ROBERT C. TOTTEN,  
ROBT. D. TOTTEN.