

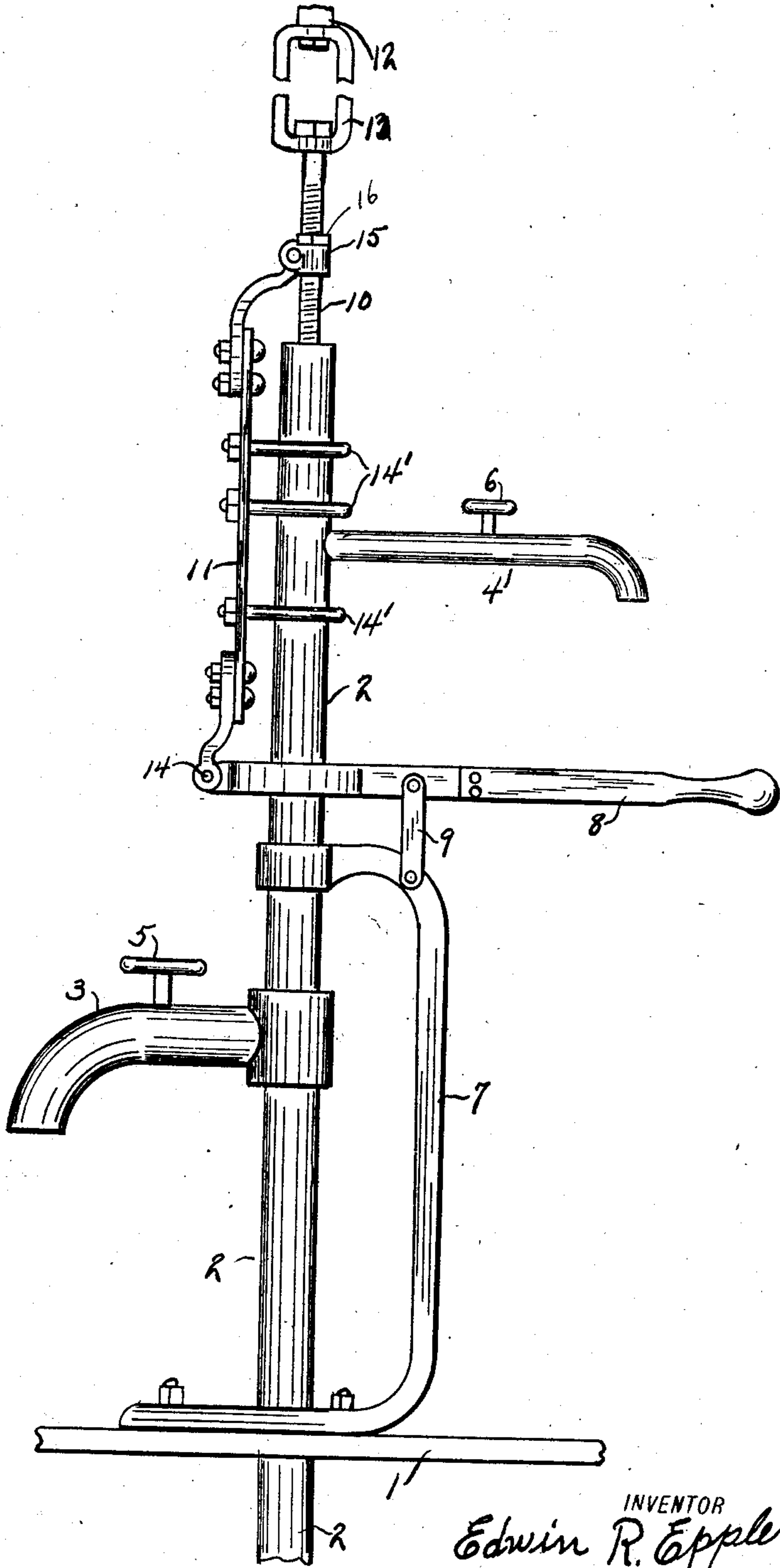
E. R. EPPLER.

PUMP.

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994,305.

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WITNESSES:

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PUMP.

994,305.

Specification of Letters Patent.

Patented June 6, 1911.

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To all whom it may concern:

Be it known that I, EDWIN R. EPPLER, a citizen of the United States, residing at McGirk, in the county of Hamilton and State of Texas, have invented certain new and useful Improvements in Pumps, of which the following is a specification.

My invention relates to new and useful improvements in pumps.

10 The object of the invention is to provide a device of the character described which may be operated by hand or by a wind mill attached thereto.

15 With the above and other objects in view my invention has particular relation to certain novel features of construction and operation an example of which is given in this specification and illustrated in the accompanying drawing, wherein:

20 The figure is a side elevation of the complete pump.

Referring now more particularly to the drawing, the numeral 1 refers to a suitable well platform, or base surrounding the well casing 2. This casing is provided with discharge pipes 3 and 4 the first of which is used for filling small vessels and the latter of which is designed to fill tanks and large vessels. These discharge pipes are controlled by suitable cut off valves, 5 and 6.

30 The numeral 7 refers to a supporting member which has a broad supporting base and an upstanding body portion whose upper end clamps the casing 2. This member supports the hand lever, 8 by means of link 9 pivoted to said supporting member and said hand lever. This link also serves as a fulcrum for the hand lever 8.

40 The numeral 10 refers to the stem or piston rod for operating the pump valve, which is operated by the hand lever through the connecting rod 11. The numeral 12 refers to a rod which is also designed to operate the stem 10 and which is operated by a wind mill, (not shown). This rod is connected to the stem 10 by means of a loose coupling 13. The upper end of rod 10 extends up through an opening in the lower end of this coupling and operates loosely therethrough and is provided at its upper end with a head which engages with the coupling when the pump is operated by the wind mill, but when the mill is standing still the pump may be operated by the hand lever the rod 10 playing loosely through the coupling 13. Connect-

ing rod 11 is provided with a plurality of detachable guides or collars 14', which surround the casing 2 and serve as a means for forcing connecting rod 11 to remain in alinement with the casing when the pump 60 is being operated by the windmill.

A collar 15 connects rod 10 and connecting rod 11. This collar is slidable upon rod 10 but its upward movement relative to said rod is limited by means of a nut 16, which is secured upon the rod, as shown with which the collar engages and the rod 10 is thereby forced upward. The pump rod is carried downward by means of the weight of the water and is elevated either manually or 70 mechanically as hereinbefore set out.

A pump constructed as shown and described will be easily operated either manually or mechanically and will also be easily and cheaply constructed and will be composed of separate parts not likely to get out of working order.

What I claim is:

1. A device of the character described comprising a casing, an operating rod adapted to operate within said casing, a hand lever, an adjustable connecting rod having rigid connection with said operating rod and detachable connection with said hand lever, a support having connection with a platform 85 at one end and with the said casing at its other end, means loosely surrounding the said casing and secured to the said adjustable connecting rod adapted to guide the said adjustable connecting rod, a link loosely secured upon the upper end of said operating rod whereby the said operating rod may be operated, pivotal means connecting with said support and said hand lever, a plurality of outlet ports and means for closing either 95 of said outlet ports while the other of said ports is being used.

2. A device of the character described comprising a casing, an operating rod adapted to operate within said casing, a hand lever for operating said operating rod, an adjustable connecting rod having rigid connection with said operating rod and detachable connection with said hand lever, means for supporting said casing, means loosely surrounding said casing and secured to said connecting rod adapted to guide the said adjustable connecting rod, a link operating loosely upon said operating rod permitting the said operating rod to be oper- 110

ated by means other than the said hand lever, pivotal means connecting said support and said hand lever, a plurality of outlet ports carried by said casing, means for closing the said ports and means for limiting the play of said link upon the said operating rod.

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

EDWIN R. EPPLER.

Witnesses:

P. H. CLEMENTS,
W. D. MARSHALL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
