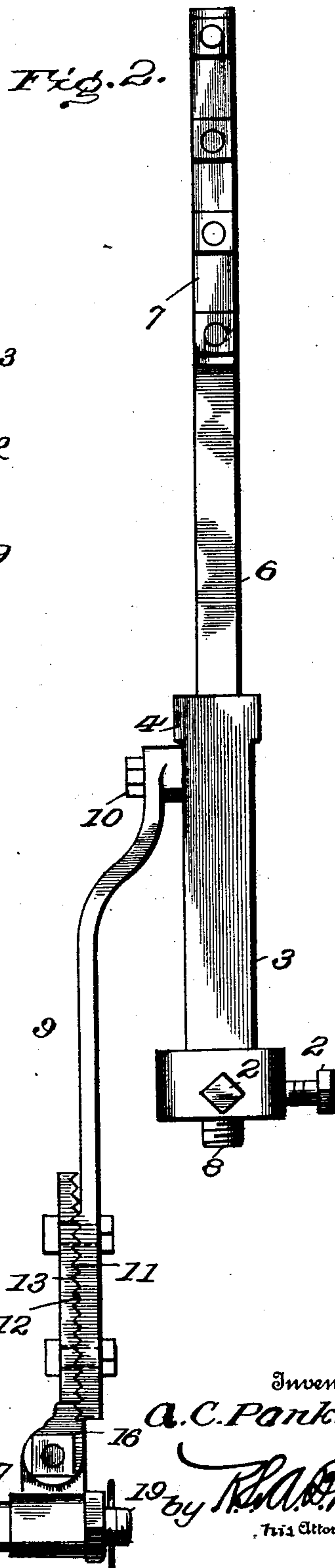
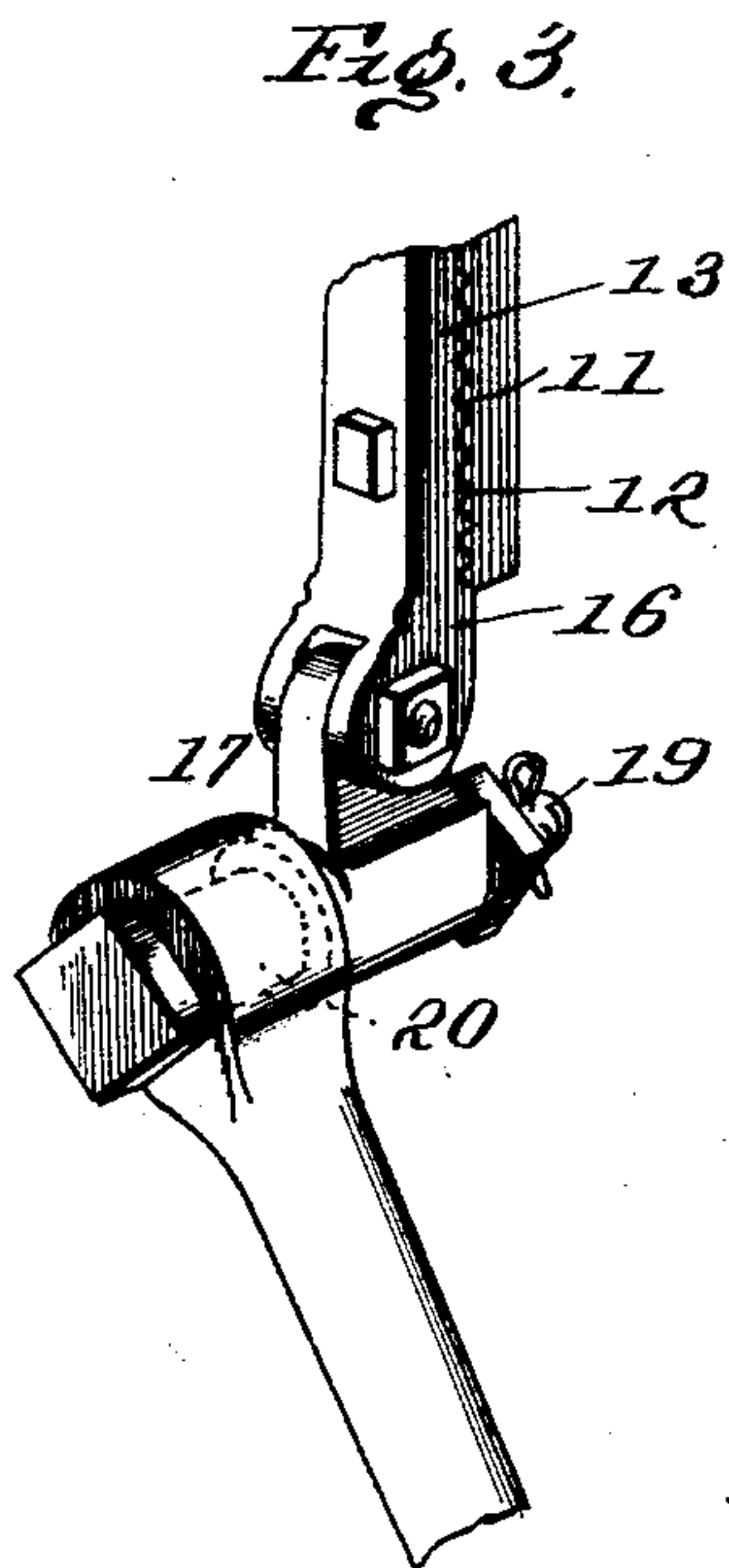
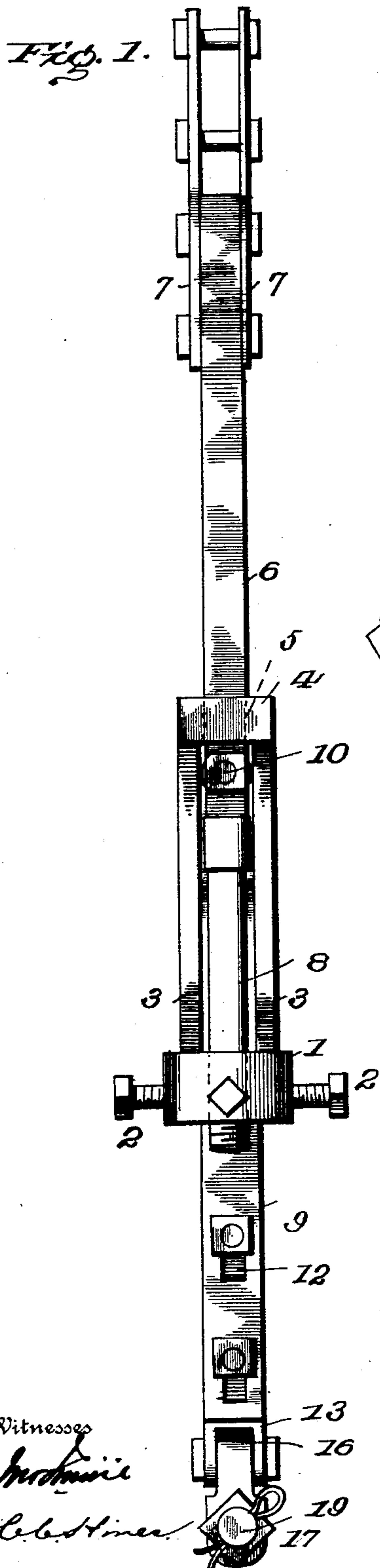


(No Model.)

A. C. POKKNEY.
ROD COUPLING DEVICE:

No. 591,690.

Patented Oct. 12, 1897.



Witnesses

*Johnnie
Christine*

Inventor

A. C. Pankney

by R. M. Hacy
His Attorney

UNITED STATES PATENT OFFICE.

AUGUST C. PONKNEY, OF COTULLA, TEXAS.

ROD-COUPLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 591,690, dated October 12, 1897.

Application filed July 7, 1897. Serial No. 643,740. (No model.)

To all whom it may concern:

Be it known that I, AUGUST C. PONKNEY, a citizen of the United States, residing at Cotulla, in the county of La Salle and State of Texas, have invented certain new and useful Improvements in Rod-Coupling Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved rod-coupling device; and the object is to provide a simple, convenient, and effective device for the pump plunger-rods of windmills and the like.

To this end the novelty consists in the construction, combination, and arrangement of the several parts of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference-characters indicate the same parts of the invention.

Figure 1 is a front elevation of my improved rod-coupling device. Fig. 2 is a side elevation of the same. Fig. 3 is a detail view showing the pin and jack coupled.

1 represents a tubular socket which is secured to the upper end of the well-tube by the set-screws 2 2 2. 3 3 represent vertical parallel arms fixed at their lower ends to said socket and connected at their upper ends by the guide-head 4, which is provided with a vertical guide-orifice 5 to receive the rectangular plunger-rod 6, the upper end of which is provided with the parallel clamps 7 7, which connect with the vertically-reciprocating windmill-rod, and which imparts the corresponding movement to the plunger-rod 6.

8 represents the cylindrical pump plunger-rod, fixed to the lower end of the rectangular plunger-rod 6.

9 represents a vertical parallel connecting-rod having its upper end pivoted to the bolt 10, removably secured in the side of the rectangular plunger-rod 6, and its outer face is formed with a series of transverse parallel serrations 11, which engage a corresponding series of serrations 12, formed in the contiguous face of the arm 13, adjustably secured to said rod 9 by the bolts 14 14, fixed in said arm

and extending through the vertical slots 15 15 in the rod 9. The lower end of the adjustable arm 13 is bifurcated to receive the lug 16 of the coupling-socket 17, which is pivoted thereto on the transverse pin 18.

19 represents a wrist-pin having a bearing in the coupling-socket 17, and it is also provided with a journal 20, to which the pump-jack or power device 21 is connected.

When the plunger-rod 6 is operated direct by the windmill, the connecting-rod 9 is detached by removing the bolt 10, but when desirable to operate the pump by a motive power independent of the windmill the clamps 7 7 are detached from the connecting-rod of the windmill, which is then secured to one side out of the path of the plunger-rod 6 and the connecting-rod 9, secured to the plunger-rod 6 by the bolt 10, and the power applied to the wrist-pin 19.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

A plunger-rod coupling for windmill and other pumps, comprising the tubular socket 1 formed with the vertical parallel arms 3 3, connected at their upper ends by the guide-head 4, the rectangular plunger-rod 6, having a vertical movement therein, and provided at its upper end with the parallel clamps 7 7, in combination with the lateral connecting-rod 9, removably pivoted at its upper end to said plunger-rod 6, the arm 13 adjustably secured to said rod 9, the socket 17 pivoted to said arm 13, and the wrist-pin 19, journaled in said socket 17, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

AUGUST C. PONKNEY.

Witnesses:

S. T. DOWE,
E. C. STEVENS.