

A. E. ROSENBERGER.  
 SWING POST AND RELEASING IRON.  
 APPLICATION FILED NOV. 12, 1908.

929,499.

Patented July 27, 1909.

2 SHEETS—SHEET 1.

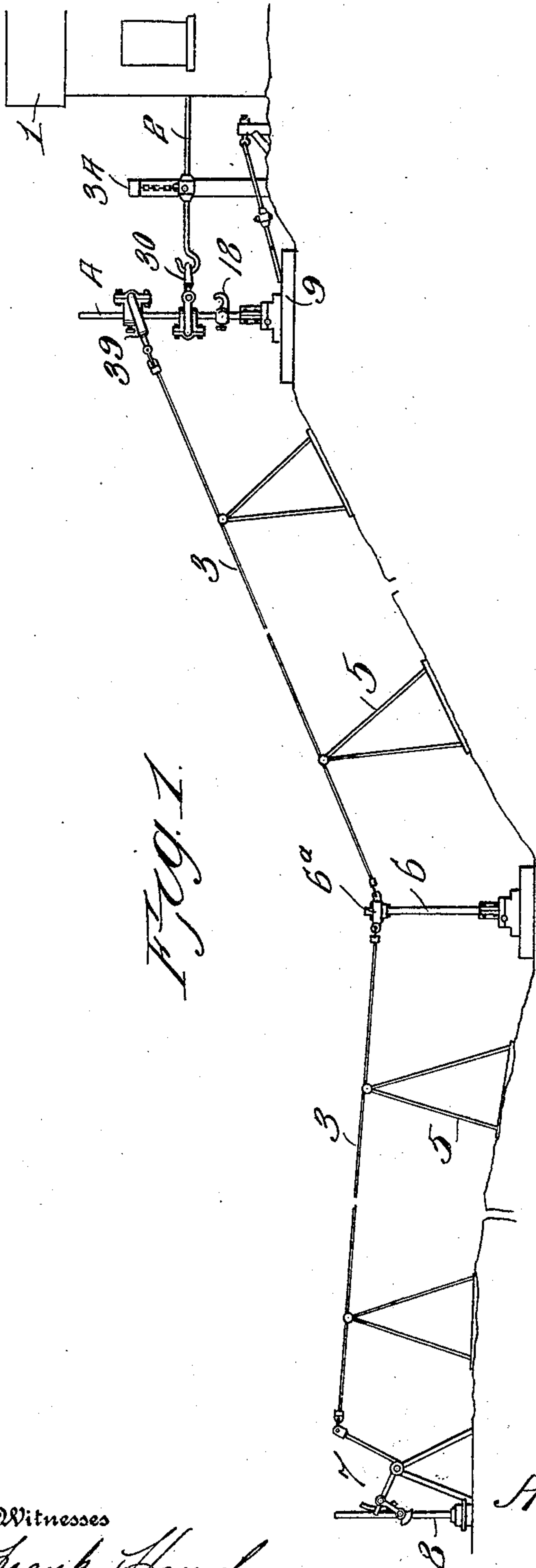
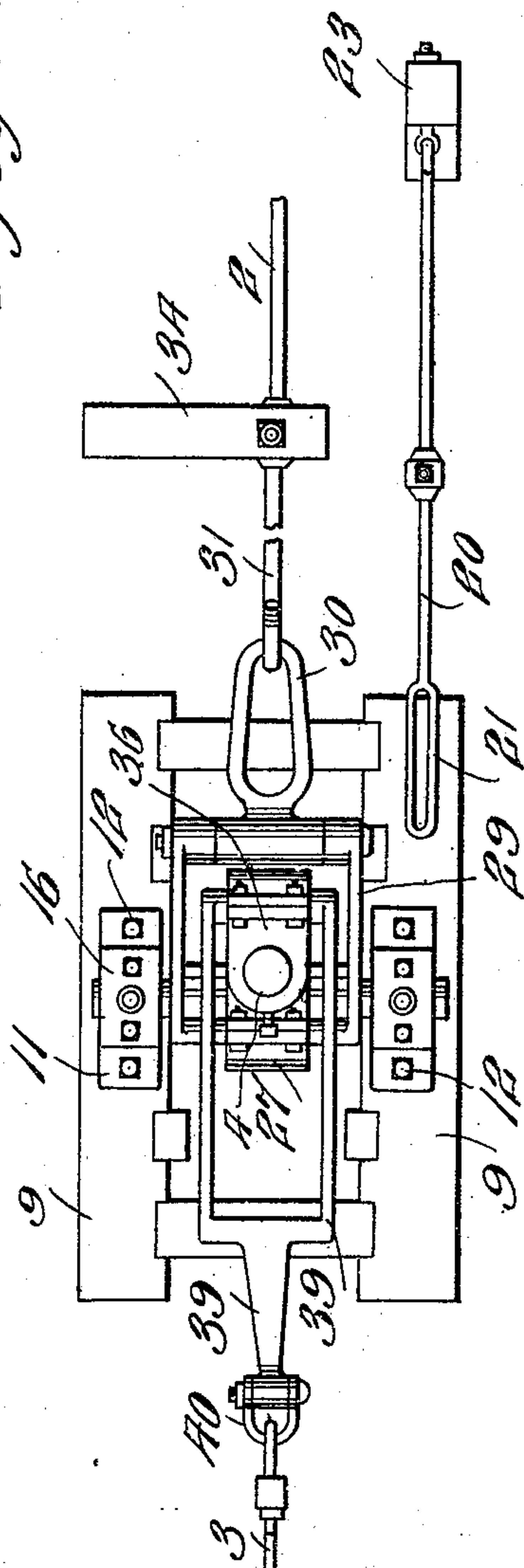


Fig. 1.

Fig. 2.



Witnesses  
 Frank Hough  
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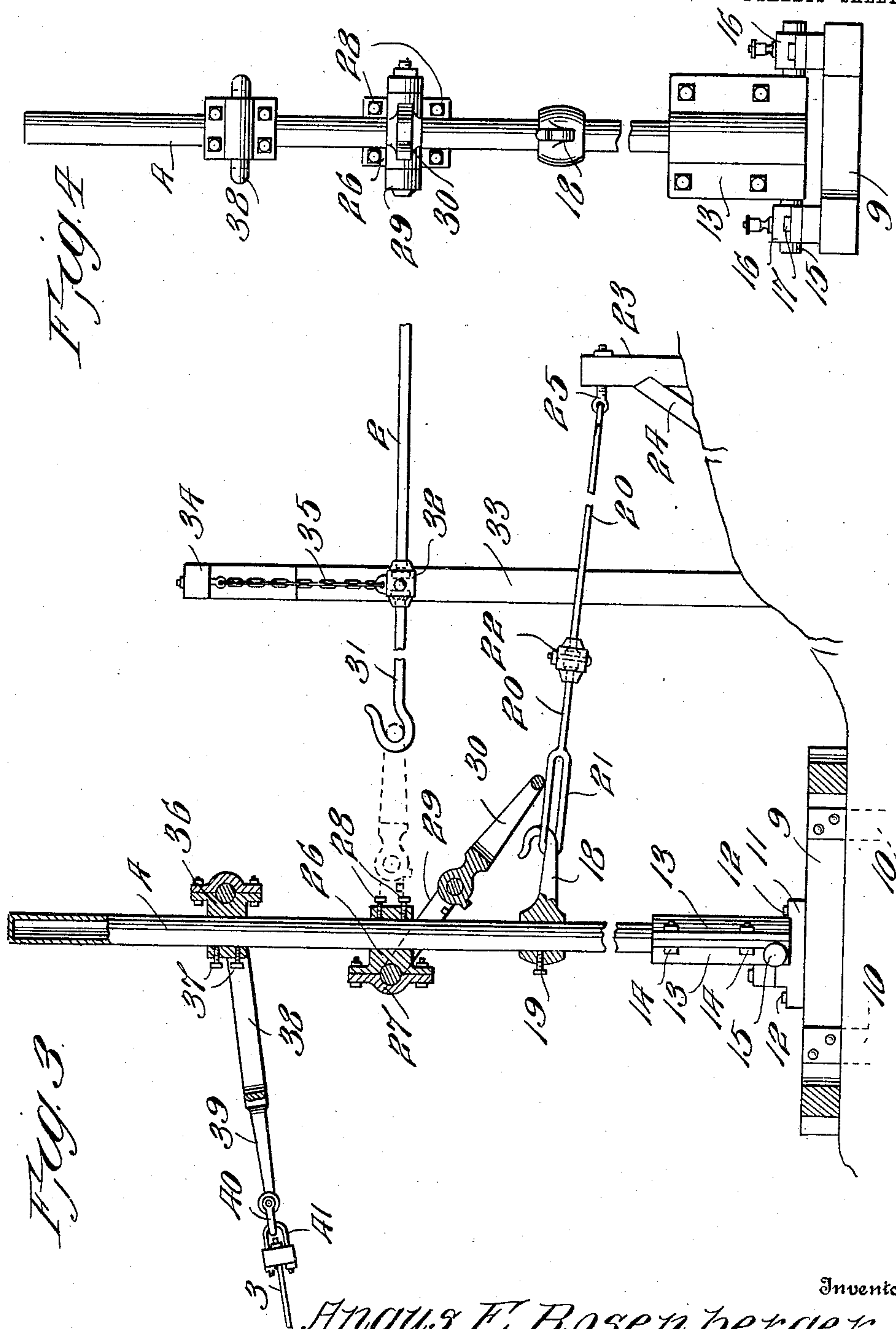
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# UNITED STATES PATENT OFFICE.

ANGUS E. ROSENBERGER, OF PUEBLO, KENTUCKY.

## SWING-POST AND RELEASING-IRON.

No. 929,499.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed November 12, 1908. Serial No. 462,332.

*To all whom it may concern:*

Be it known that I, ANGUS E. ROSENBERGER, a citizen of the United States of America, residing at Pueblo, in the county of Wayne and State of Kentucky, have invented new and useful Improvements in Swing-Posts and Release-Irons, of which the following is a specification.

This invention relates to swing posts and release irons for pumping powers, and one of the principal objects of the same is to provide a simple, reliable and efficient device for connection to a surface line extending to the power house of an oil well plant, and said post being connected by a surface line to a pumping jack at the oil well.

Another object of the invention is to provide means whereby the stroke of the pump rod may be readily adjusted, said means comprising release irons and clevises and means for adjusting the same vertically upon the swing post, surface lines being connected to the clevises.

Still another object of the invention is to provide means whereby the hook at the end of the surface line which extends to the power house and to the swing post is guided in a horizontal direction during its reciprocations.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which,—

Figure 1 is a diagrammatic view illustrating the manner of connecting and operating my invention. Fig. 2 is a top plan view of the swing post and its connections. Fig. 3 is a side elevation and partial section of the swing post and connections. Fig. 4 is an elevation taken at right angles to Fig. 3.

Referring to the drawings, the numeral 1 designates the power house of an oil well plant, and 2 is the power line leading from the power house to the swing post; 3 is the surface line; 4 is the swing post; 5 are the rockers for supporting the surface line, and 6 is a swing post designed to be used at depressions and elevated points in the line to insure substantially straight surface lines; 7 is the pumping jack, and 8 is the pump rod.

The swing post 4 is pivotally mounted upon a base 9 firmly secured upon the surface of the ground by suitable anchors 10. Bearing blocks 11 are secured to the base 9 by means of bolts 12. The swing post 4 is preferably in the form of a hollow tube, and at its lower end a clamp comprising the two

members 13 is secured to the post by means of bolts 14. Trunnions 15 connected to the clamp members 13 are seated in the bearing blocks 11 by means of keepers 16 secured to the bearing blocks by bolts 17.

Adjustably connected to the post is the dead line hook 18 provided with a binding screw 19 for holding said hook at any required point upon the post 4. The dead line 20 is provided with a loop 21 for engagement with the hook 18, and a swiveled coupling 22 is connected to the two sections of the dead line 20, and an anchor post 23 is driven into the ground and held firmly in position by the brace 24. The dead line 20 is connected by an eye bolt 25 to the anchor post 23. Above the dead line and hook 18 and adjustably mounted upon the swing post is a release iron comprising a clamp consisting of the members 26 and 27, the member 26 having an opening therein through which the post 4 extends and binding screws 28 for holding said clamp in adjusted position upon the post. A link 29 is pivotally connected to the clamp, and a clevis 30 is pivotally connected to the link 29. The power line 2 is provided with a hook 31, and a coupling 32 unites the power line with said hook. A post 33 driven into the ground is provided with a head block 34 from which is suspended a chain 35 which is connected at its lower end to the coupling 32. When the clevis 30 is connected with the hook 31, and the dead line 20 is released from the hook 18, the swing post is rocked by the power line 2. When it is desired to cut out the power line the dead line 20 is connected with the hook 18, and the hook 31 is released from the hook 30, as shown in Fig. 3 of the drawing. A clamp 36 provided with binding screws 37 is adjustable upon the post 4 and carries a pivoted link 38 having an extended shank 39 to which a swiveled link 40 is connected, said link being engaged with a swivel 41 to which the surface line 3 is connected.

The operation of my invention may be briefly described as follows:—The swing post 4 and the swing post 6, which is similarly mounted to the post 4 and provided with a cross head 6<sup>a</sup> to which the surface line is connected, are firmly secured at different levels in order that the surface line 3 shall be comparatively straight from one swing post to the other or from one of the swing posts to the jack; thus by means of the rockers 5 which support the surface line 3 and which



may be of any required height, the surface line 3 may always be maintained in a straight line from the swing posts to the pumping jack. When it is desired to set a pump or series of pumps into operation the hook 31 connected to the power line 2 is engaged with the clevis 30, and the loop 21 is disengaged from the dead line hook 18. The chain 35 maintains the hook 31 in a horizontal position. When it is desired to stop the pump or any number of pumps on the surface line, the hook 31 is released from the clevis 30, and the loop 21 is engaged with the dead line hook 18.

From the foregoing it will be obvious that my invention is of simple construction, can be connected up to any suitable number of pump jacks from the power house and adjusted readily to regulate the throw of the pump rod by adjusting the clamps vertically upon the swing post.

I claim:—

1. A swing post for operating pumping jacks comprising a pivoted post, a clamp adjustably mounted on said post, a clevis pivotally mounted on said clamp, a loop pivotally connected to said clevis, a hook attached to said loop, means for guiding said hook horizontally, connections between said hook and power mechanism, a second clamp mounted upon said post, a link pivoted to

said clamp, means for adjusting said clamp, a pumping jack, and connections extending from said link to said pumping jack.

2. A swing post for operating pumping jacks comprising a pivoted post, a clamp adjustably mounted on said post, a clevis pivotally mounted on said clamp, a loop pivotally connected to said clevis, a hook attached to said loop, means for guiding said hook horizontally, a second clamp mounted upon said post, a link pivoted to said clamp, a pumping jack, and connections extending from said link to said pumping jack.

3. The combination, with a power mechanism and a pumping jack, of a swing post comprising a pivoted member, a clamp adjustably mounted on said member, a clevis pivotally mounted on said clamp, a loop pivotally connected to said clevis, another clamp connected to said post, a clevis pivoted to said clamp, a loop pivoted to said clevis, connections leading from one of said loops to the power mechanism, and connections leading from the other loop to the pumping jack.

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

ANGUS E. ROSENBERGER.

Witnesses:

J. BERRY,

S. H. BERRY.