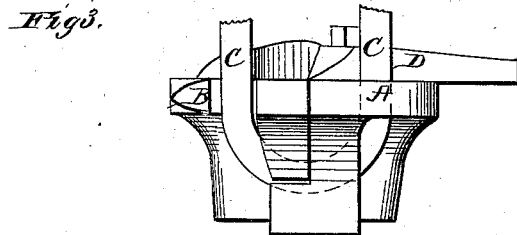
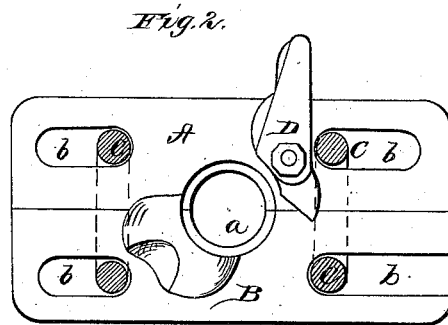
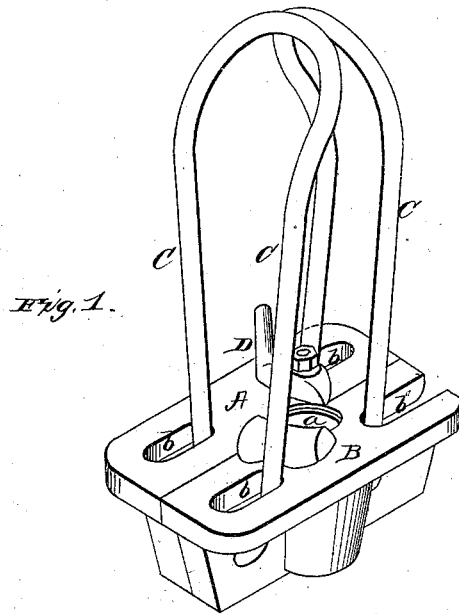


H. M. GILLESPIE.  
 Device for Raising and Lowering Tubes in Oil-Wells.

No. 199,533.

Patented Jan. 22, 1878.



WITNESSES

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# UNITED STATES PATENT OFFICE.

HARVEY M. GILLESPIE, OF PICKWICK, PENNSYLVANIA.

IMPROVEMENT IN DEVICES FOR RAISING AND LOWERING TUBES IN OIL-WELLS.

Specification forming part of Letters Patent No. **199,533**, dated January 22, 1878; application filed December 18, 1877.

*To all whom it may concern:*

Be it known that I, HARVEY MORTON GILLESPIE, of Pickwick, in the county of Clarion, and in the State of Pennsylvania, have invented certain new and useful Improvements in Device for Raising and Lowering Tubes in Oil-Wells; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of an elevator for raising and lowering tubes in oil-wells without using thimble-tongs, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my elevator. Fig. 2 is a plan view, and Fig. 3 an end view, of the same.

The elevator is composed of two halves, A and B, forming a central aperture, *a*, when put together. The two parts are connected by links C C passing through slots *b b* in the ends, as shown. The part B has one slot, *b'*, open through to the end, so that this end can be detached from the link, and thus separate the two parts. On top of the part A is pivoted a lever, D. This elevator is so constructed that in operation, by putting the foot on the lever, it stops the motion of the thimble at once, the elevator being kept from turning by coming in contact with the tubing while drawing steam-pipe, and a joint of steam-pipe is put back with the thimble above the casing-

head for the elevator to catch while drawing tubing.

Another great improvement is that the elevator will not bind in getting it off when up in the top of the derrick. By pulling the links over toward the loose half B, it will be noticed that it will start to rise up as soon as the lever is off from it. In putting it on at the top of the derrick there is no unhooking or hooking on links, or running up and down slack, but merely raise up the loose half B, swing it around the tube, and let it drop down, the tube guiding it to its place. It is of great service for large pipe in a horizontal position by keeping the loose half on the upper side of the casing and the links in the hook. There is no possible chance for the tubing to get out of it while resting on the casing-head.

This elevator only requires about one inch of slack below the thimble to get it off, and not any in putting on if stopped low enough down. It answers for two purposes—raising and lowering tubing and keeping the thimble from turning while unscrewing and screwing up the tubes, thus serving for both elevator and thimble-tongs.

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

The combination of the parts A and B, having central aperture *a* and end slots *b b'*, and the links C C, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of December, 1877.

HARVEY MORTON GILLESPIE.

Witnesses:

A. HAUN,  
W. BRIGGS.