

(No Model.)

R. STEWART & W. R. WINCHEL.
HOISTING DEVICE.

No. 604,802.

Patented May 31, 1898.

Fig. 1.

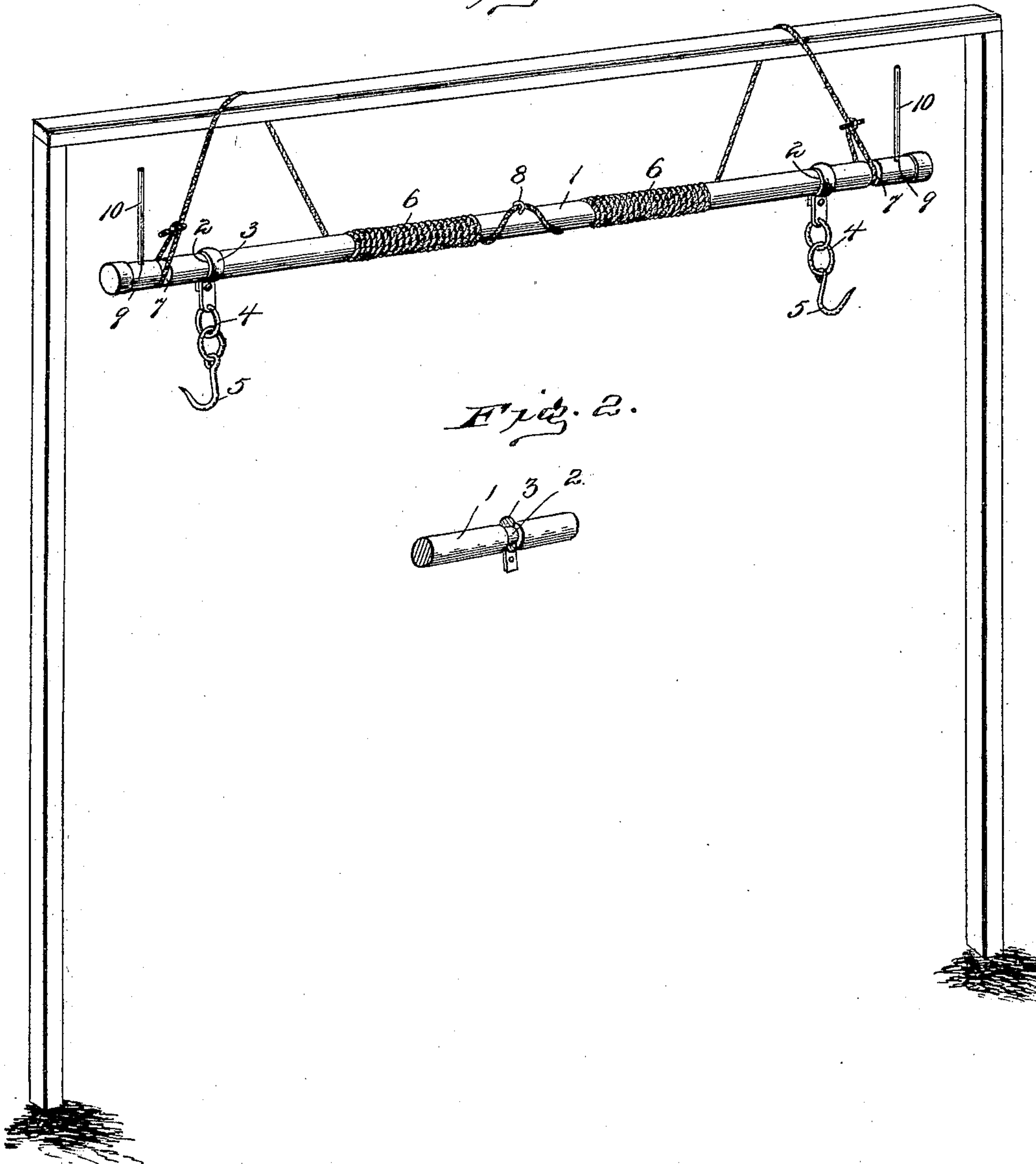
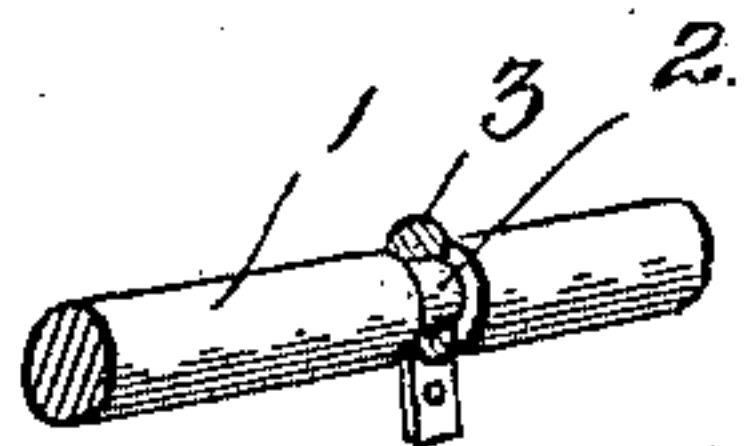


Fig. 2.



Witnesses

Milton O'Connell
Victor J. Evans

by

Inventors
Rolla Stewart and
William R. Winchel,
John Wedderburn
Attorney

UNITED STATES PATENT OFFICE.

ROLLA STEWART AND WILLIAM R. WINCHEL, OF WOLCOTT, NEW YORK.

HOISTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 604,802, dated May 31, 1898.

Application filed June 23, 1897. Serial No. 641,988. (No model.)

To all whom it may concern:

Be it known that we, ROLLA STEWART and WILLIAM R. WINCHEL, of Wolcott, in the county of Wayne and State of New York, have invented certain new and useful Improvements in Hoisting Devices; and we 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.

This invention relates to improvements in hoisting devices; and the object of the same is to provide a simple construction whereby the object to be raised may be readily lifted and automatically retained at any desired elevation.

The invention consists in the novel features of construction hereinafter fully described and claimed.

In the drawings forming a part of this specification, Figure 1 represents a perspective view of our device; and Fig. 2 is a detail elevation, partly in section.

Referring to the accompanying drawings, 1 indicates a rod which is provided with the annular grooves 2 adjacent its ends to receive the looped straps 3, from which depend the links 4, carrying the hooks 5.

6 is a rope which is secured at its opposite ends within the annular grooves 7, formed adjacent the respective ends of the rod, said rope is adapted to be drawn over a supported object and its looped portion placed in engagement with the hook 8, carried by the rod intermediate its ends. In this position the device is adapted for hoisting, the object to be raised being suspended by the hooks. Passages 9 are formed at the ends of the rod to receive the levers 10, by means of which said rod is rotated and the object raised. As the rod is rotated the rope winds therearound, as illustrated, and when the rotation of the rod is discontinued the object will be automatically supported. No matter at what point the rotation of said rod is ceased the weight of the object supported thereby and the arrangement of the rope will cause the object to remain stationary until the rod is

again rotated. By reason of the loops to which the supporting-hooks are attached being loose upon the rod the same do not revolve therewith, but remain always perpendicular.

Our device is especially desirable for use in dressing animals, as the device may be suspended from any convenient support and the animal held by the hooks while the dressing operation is being performed. We do not limit ourselves to this use, as the same will be found especially desirable wherever an article is to be hoisted.

Having thus described the invention, what is claimed as new is—

1. The combination with a suitable support of a supporting-bar, and a rope attached at its ends to the respective ends of said bar and adapted to be drawn over said support, with its looped portion attached to said bar, substantially as set forth.

2. The combination with a suitable support of a bar, a rope secured at its ends to the respective ends of the bar, said rope adapted to be suspended by said support and have its looped end attached to the bar intermediate its ends, and supporting-hooks loosely attached to said bar, substantially as set forth.

3. The combination with a suitable support of a bar, a rope secured at its ends to the respective ends thereof, a hook carried by the bar intermediate its ends, said hook adapted to receive the looped portion of the rope when the same has been passed around said support, said bar being formed with annular grooves adjacent its ends, looped straps engaging said grooves, hooks carried by said straps, and bars adapted to be positioned within the passages formed in the ends of the bar, the parts operating substantially as set forth.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

ROLLA STEWART.
WILLIAM R. WINCHEL.

Witnesses:

AUGUSTUS H. BRUCE,
CHARLES F. VAN VALKENBURG.