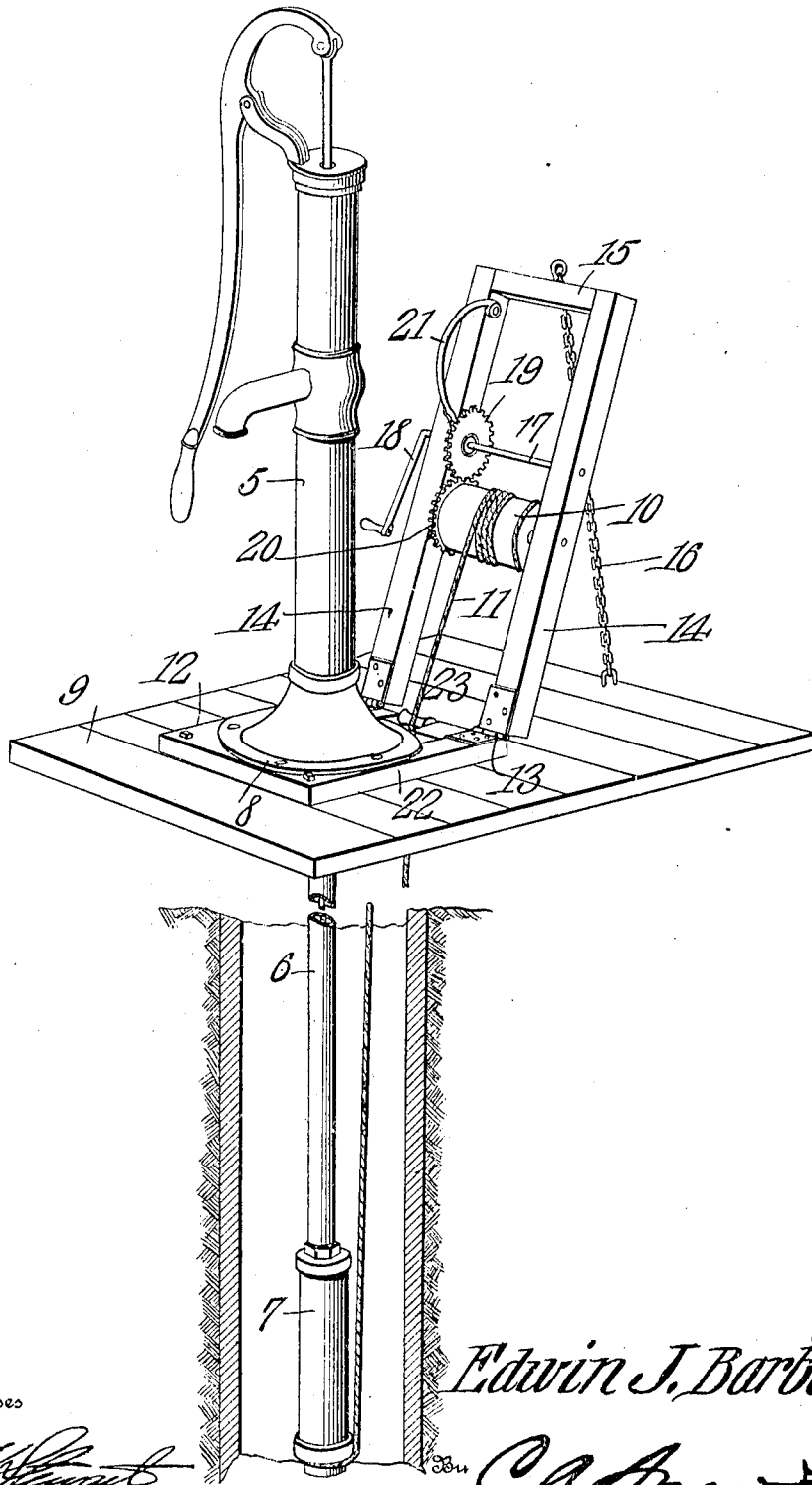


E. J. BARBER.
PUMP ATTACHMENT.
APPLICATION FILED APR. 2, 1909.

950,506.

Patented Mar. 1, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

EDWIN J. BARBER, OF GRINNELL, KANSAS.

PUMP ATTACHMENT.

950,506.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed April 2, 1909. Serial No. 487,436.

To all whom it may concern:

Be it known that I, EDWIN J. BARBER, a citizen of the United States, residing at Grinnell, in the county of Gove and State of Kansas, have invented a new and useful Pump Attachment, of which the following is a specification.

This invention is designed to provide improved means for raising the pump out of the well, and its object is to provide an attachment of this kind which is simple in construction and efficient in action, and also one which may be applied to any ordinary pump.

With the foregoing objects in view, the invention consists in a novel construction and arrangement of parts to be hereinafter described and claimed, reference being had to the drawing hereto annexed forming a part of this specification, in which drawing the invention is shown in perspective.

Referring more particularly to the drawing, 5 denotes a pump standard carrying a well pipe 6, and a cylinder 7, these parts being connected in the ordinary manner. The standard is provided with a base 8.

At 10 is indicated a windlass drum, the hauling line 11 of which is connected to the pump cylinder 7. The supporting frame of the windlass drum comprises a base 12 consisting of an open rectangular frame located under the pump base 8, and secured on the platform 9 in any suitable manner. The pump base is mounted on this frame. To one end of the frame are hingedly connected, as indicated at 13, uprights 14, between which the windlass drum 10 is mounted, said uprights being provided with suitable bearings for the shaft of said drum. At their upper ends, the uprights are connected by a cross-bar 15. A brace 16 is also provided, one end of which is connected to the cross-bar 15, and the other end to the platform 9.

In the uprights 14 is also journaled a shaft 17 fitted with a crank handle 18, and provided with a pinion 19 which meshes with a spur gear 20 on the drum 10. A pawl 21 is pivoted to one of the uprights 14, and is engageable with the teeth of the pinion 19 to prevent the drum 10 from slipping back. The hauling line 11 passes over a guide sheave 23 carried by the frame 12, said sheave being so located that the line may be passed under the pump base 8, in view of which it will not be necessary to make an opening in said base.

By the attachment herein described, if the pump is to be raised out of the well, all that is necessary to do is to wind the hauling line 11 on the drum 10, which is readily done by turning the handle 18, the pawl 21 preventing the hauling line from slipping back. The attachment is easy to operate, and simple in construction, and can be used in connection with any ordinary pump, no specially constructed pump standard or other part of the pump being required.

What is claimed is:

The combination of a base, an open frame fast to the base, and surrounding the parts to be elevated, a sheave carried by the frame, a pair of uprights hinged to that portion of the frame carrying the sheave, a windlass supported between the uprights, the hauling line of the windlass passing over the said sheave, a cross bar connecting the upper ends of the uprights, and a brace extending between and connected to said cross bar and the base.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDWIN J. BARBER.

Witnesses:

C. C. MORGAN,
SAMUEL STECH.