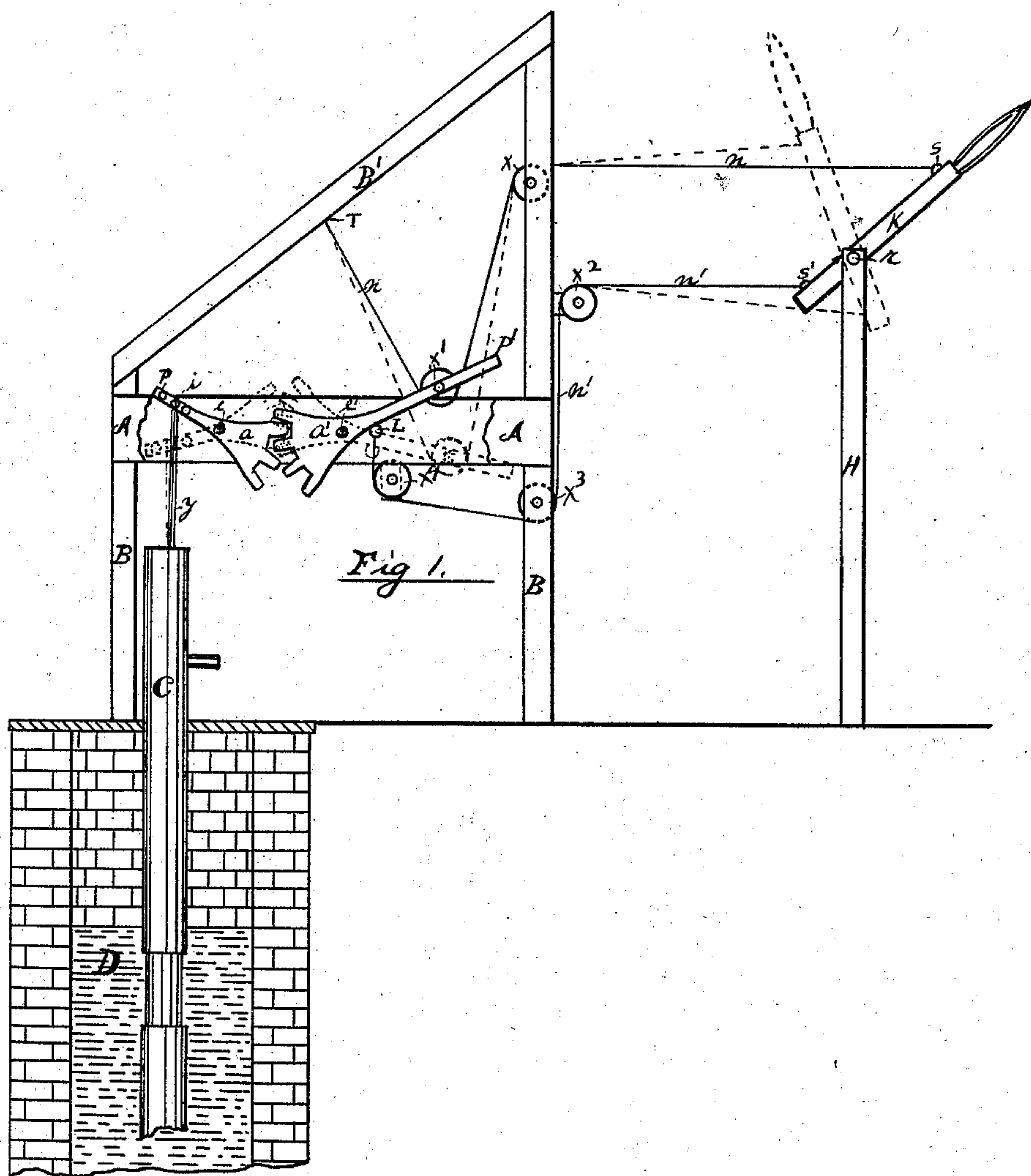


W. GATHANY.
Pump Attachment.

No. 214,817.

Patented April 29, 1879.



Witnesses

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IMPROVEMENT IN PUMP ATTACHMENTS.

Specification forming part of Letters Patent No. **214,817**, dated April 29, 1879; application filed March 18, 1879.

To all whom it may concern:

Be it known that I, WILLIAM GATHANY, of the town of Channahon, Will county, and State of Illinois, have invented certain Improvements in an Attachment for Pumps, the construction and operation of which I will proceed to explain, reference being had to the annexed drawing, making a part of this specification, in which—

Figure 1 is a side elevation.

The object of my invention consists in so constructing an attachment for pumps that they may be operated easily at any ordinary distance from the pump by means of the cords or wires connected with the pump attachment, and which may terminate in a barn or house for convenience.

In the drawing, B B represent the posts which support the two side bars or plates, A, between which the segmental cogs *a* and *a'* are attached by means of the shafts or pivots *e* and *e'*.

P' represents a lever attached to the segmental cog *a'*, near the end of which is placed the friction-roller X¹. P represents a lever attached to the segmental cog *a*, and provided with holes *i*, to which the pump rod *y* is attached. K represents the handle or lever, attached to the top of the part H at the pinion *r*. *n* represents a cord or wire attached to the upper end of the lever K at *s*, under the roller *x*¹, and attached to the cross-bar B', which is attached to the top of the posts B. *n'* represents a cord or wire attached to the lower end of the lever K at *s'*, and passing over the friction-roller X², under the roller X³ and X⁴, and fastened to the lever P' at L. C represents the pump, and D the well.

The dotted lines represent the position of the segmental cogs *a* and *a'*, levers P and P',

cords or wires *n* and *n'*, and lever K, when said lever is reversed.

By this arrangement the pump may be operated by a person at his barn or house, a number of rods from the pump.

It will be observed that when the handle or lever K is operated it will cause the cords or wires *n* and *n'* to vibrate, giving an upward and downward motion to the lever P', which is connected to the segmental cog *a* and lever P. By this means the pump can be operated at any desired speed, as the cords or wires *n* and *n'* bring the lever P' up as well as down, so the operator does not have to wait for the weight of the pump-rod *y* to carry it down.

The object thus to be accomplished is to save going out to the pump to operate it.

This system of levers and cords may be multiplied to connect the pump with any building within a reasonable distance.

It will be observed, by attaching the cord or wire *n* to the cross-bar B', and passing said cord or wire down under the roller X¹ and over the roller *x*, that a greater power may be obtained at the handle or lever K.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows, to wit:

The combination and arrangement of the posts B B, cross-bar B', segmental cogs *a* and *a'*, levers P and P', rollers X X¹ X² X³ X⁴, cord or wire *n* and *n'*, and handle or lever K, to operate the pump C, in the manner and for the purpose set forth.

WILLIAM GATHANY.

Witnesses:

THOS. H. HUTCHINS,
WM. J. HUTCHINS.