(No Model.)

B. WHEELER.

CLAMP FOR HOLDING WELL TUBES AND POLES.

No. 342,888. Patented June 1, 1886.

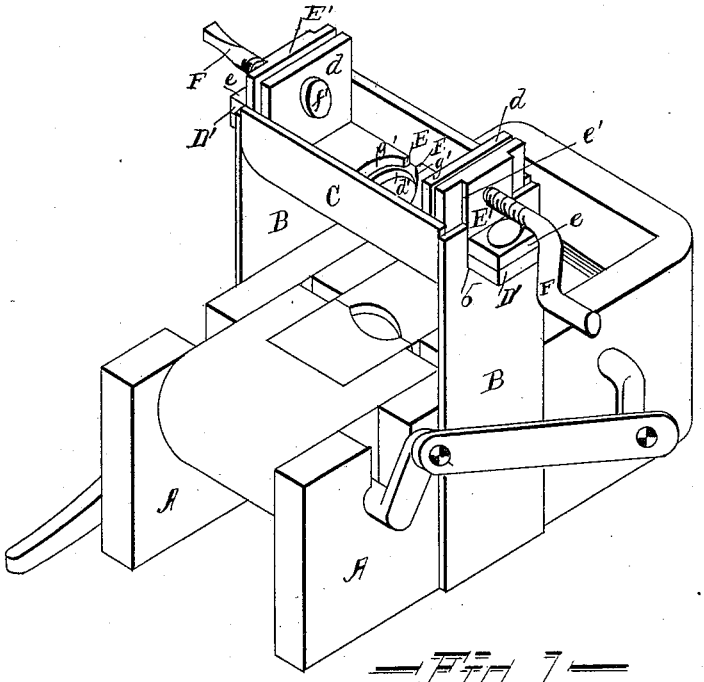

Fig. 1.

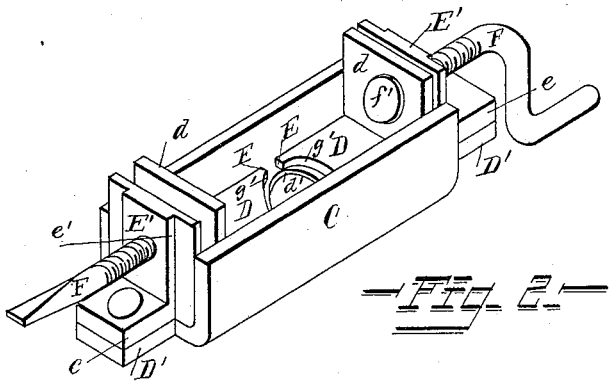

Fig. 2.

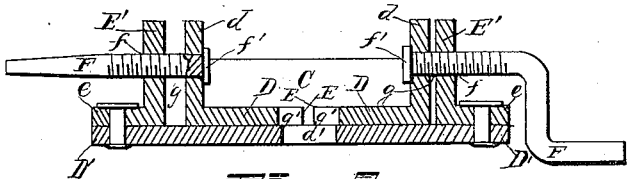

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

BRAYTON WHEELER, OF SAGINAW, MICHIGAN.

CLAMP FOR HOLDING WELL TUBES AND POLES.

SPECIFICATION forming part of Letters Patent No. 342,883, dated June 1, 1886.

Application filed March 23, 1886. Serial No. 196,299. (No model.)

To all whom it may concern:

Be it known that I, BRAYTON WHEELER, a citizen of the United States, residing at Saginaw city, in the county of Saginaw and State of Michigan, have invented a new and useful Improvement in Clamps for Holding Well Tubes and Poles, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in clamps for holding well tubes and poles; and it consists of the peculiar and novel construction and combination of parts, substantially as hereinafter fully set forth, and specifically pointed out in the claims.

The object of my invention is to provide an improved device for holding well tubes and poles while they are being connected or disconnected, and the invention is especially designed to be used in connection with the "clamp" patented to me on the 3d day of June, 1884, No. 299,887.

In the accompanying drawings, Figure 1 is a perspective view of my invention in position upon a clamp of the class shown in the patent hereinbefore referred to. Fig. 2 is a detached perspective view of my invention, and Fig. 3 is a longitudinal cental sectional view thereof.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates the clamp, which has the essential features of construction of the device shown in the patent hereinbefore referred to—namely, a slotted frame in which are journaled the shafts carrying the biting-dogs, the shafts being connected by a link or arm and having a lever, whereby the dogs can be simultaneously operated so that they can be caused to instantaneously grasp a well pole or tube that is in danger of falling. The frame of this clamp has two vertical standards, B, which are bolted to the side pieces of the frame, and provided with a rectangular recess, *b*, in their upper edges.

C designates my invention, that is detachably mounted or fitted in the standards when it is desired to rigidly hold one section of a well tube or pole in connecting or removing it from another section.

My detachable holding device is provided with a flat plate or bar, D, having upwardly-extending flanges *d*, which form a space or chamber, in which is loosely fitted the holding-jaws E, that are made adjustable laterally and independently of each other. This frame D is provided at its middle with an opening, *d'*, through which the tubes or poles pass, and at its ends the frame has lugs D', that fit snugly in the bearings *b*, provided therefor in the free ends of the standards B. The frame D carries a short standard, E', at each end, and each standard has a right-angled foot, *e*, that bears on and is secured by bolts or the like to the lugs D' of the frame, the side faces or edges of the standards being recessed, as at *e'*, and bearing against the edges of the standards B to steady and render the holder C rigid thereon. Each standard E' has a threaded aperture or bearing, *f*, in which is fitted an adjusting-screw, F, which is provided at one end with a handle or crank or other suitable device for its convenient manipulation. The free ends of the adjusting-screws are provided with a rigid follower, *f'*, and each of the screws work in a threaded bearing, *g*, in one of the adjustable dogs E, which are recessed at their inner opposing faces, as at *g'*. The dogs are adjustable between the flanges of the frame toward and from each other, so that they can clamp tubes or poles of various diameters and with any degree of force.

The invention is very simple, strong and durable in construction, easily and readily adjusted to and detached from the standards B, is held very rigidly and firmly in place, the clamping or holding jaws can be adjusted very easily and independently of each other, and the device can be manufactured very cheaply.

I do not desire to confine myself to the exact details of construction and form and proportion of parts herein shown and described as an embodiment of my invention, as I am aware that changes therein can be made.

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

1. In a device for holding well tubes or poles, the combination, with a clamp, of the supporting-standards, a frame detachably secured therein, and the laterally-adjustable holding-jaws carried by the frame, substantially as described.

2. The combination, with a clamp having the supporting-standards, of a holder detachably

mounted in the standards, and comprising a frame, the laterally-adjustable holding-jaws, the screws for adjusting the jaws, and bearings for the screws, substantially as described.

3. The combination, with a clamp, A, of the standards B, a frame having an opening and the lugs, the laterally-adjustable jaws carried by the frame, the standards E′, having the recessed edges, and the adjusting-screws journaled in the standards and connected with the jaws, for adjusting them independently of each other, substantially as described.

4. The combination, with a clamp, as A, of a holder detachably mounted thereon and provided with holding-jaws, substantially as described.

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

BRAYTON WHEELER.

Witnesses:
JOHN A. COTTER,
CHAS. C. COTTER.