V. H. DERRICK.

PIPE CLAMP.

APPLICATION FILED JUNE 24, 1913.

1,149,557. Patented Aug. 10, 1915.

Fig. 1.

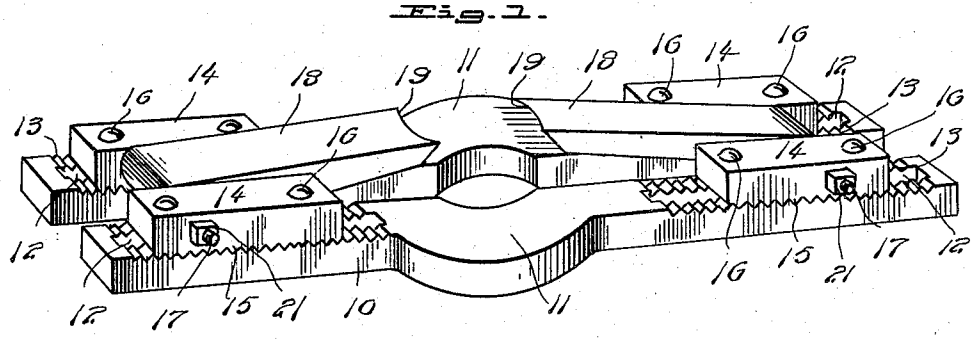


Fig. 2.

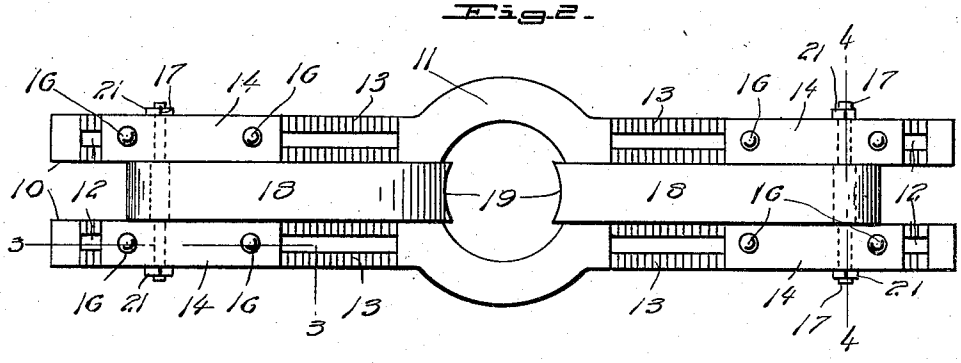


Fig. 3.

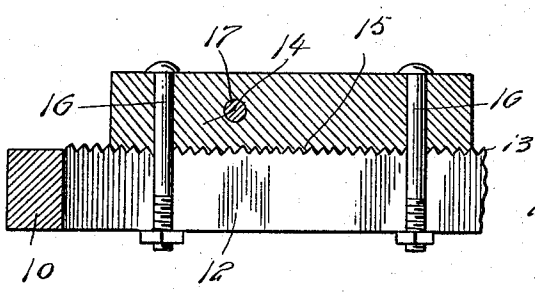
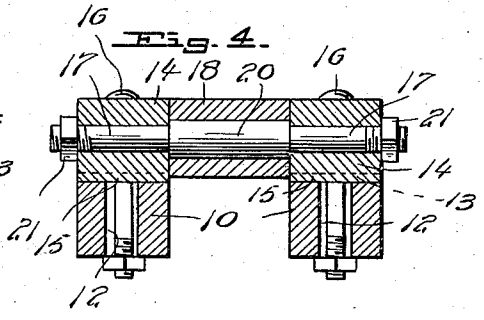


Fig. 4.



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PIPE-CLAMP.

1,149,557. Specification of Letters Patent. Patented Aug. 10, 1915.

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To all whom it may concern:

Be it known that I, VIRGIL H. DERRICK, a citizen of the United States, residing at Gail, in the county of Borden, State of Texas, have invented certain new and useful Improvements in Pipe-Clamps; and I 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 pipe clamps and has special reference to a form of pipe clamp specially adapted for supporting pipes which extend through floors and the like, as for instance well pipes.

One object of the invention is to improve and simplify the general construction of devices of this character.

A second object of the invention is to provide a novel adjusting arrangement for devices of this character.

With the above and other objects in view as will be hereinafter apparent the invention consists in general of certain novel details of construction and combination of parts hereinafter fully described, illustrated in the accompanying drawings, and specifically claimed.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and:—

Figure 1 is a perspective view of the clamp as used with a well pipe. Fig. 2 is a plan view of the device. Fig. 3 is a section on the line 3—3 of Fig. 2. Fig. 4 is a section on the line 4—4 of Fig. 2.

In carrying out the objects of this invention there is provided a pair of frame members 10 each of which has an arcuate center portion 11 and straight end portions preferably arranged in alinement. These frame members are placed side by side with the concave sides of the arcuate portions facing inward. Each end of each clamping member is provided with a longitudinally extending slot 12 and said ends further have on their upper surfaces transverse serrations 13. In connection with these members 10 pivot blocks 14 having their under surfaces serrated as at 15 are used and said blocks are secured to the members 10 by means of bolts 16 passing through openings in the blocks and through the respective slots 12. By this means the positions of the blocks on the members 10 may be regulated. It will be obvious that these pivot blocks are arranged in pairs and that the blocks of each pair are connected by a pivot bolt 17. On each of the pivot bolts 17 is provided a clamping jaw 18 having an arcuate biting edge 19. From the construction as herein shown and described it will be seen that the bolts 17 hold the members 10 in proper position when the device is assembled as well as serve for pivots for the jaws 18 and to this end it is preferable that the center portions of said bolts 17 be enlarged as at 20 and that these bolts be provided with nuts on each end as at 21.

In operation, the device is assembled around the pipe as shown in Fig. 1, the pivot blocks being so adjusted that the biting edges 19 of the clamping jaws are raised as shown in that figure. It will be obvious that the pipe may be raised as desired by any suitable means and cannot slip downward since these biting edges will engage with the pipe and prevent such slipping. If it is desired to lower the pipe it is simply necessary to turn the clamping jaws backward away from the pipe whereupon it may be lowered to any position. The jaws may then be again engaged and the pipe will be held in the proper place.

It is to be noted that by making this device in two parts as shown it may be assembled about a pipe after the same is in the well and this will be found very advantageous in many cases where it would be inconvenient to place the clamp over the top of the pipe. Furthermore by having the bolts 17 of different lengths and the jaws 18 of different widths various sizes of pipe may be accommodated with one set of frame members and pivot blocks. There has thus been provided a simple and efficient device of the kind described and of the character specified. It will furthermore be noted that by reason of the fact that the members 10 are unconnected excepting by the bolts 17, that the bolt may be readily removed and longer ones put in to hold the members 10 farther apart when a pipe of greater diameter is to be held.

It will be obvious that many minor changes may be made in the form and construction of this invention without departing from the material principles thereof. It is not therefore desired to confine the invention to the exact form herein shown and described, but it is wished to include all

such as come properly within the scope claimed.

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

A pipe clamp comprising a pair of frame bars having arcuate oppositely disposed central sections adapted to embrace a pipe, and parallel end sections, said parallel end sections being longitudinally slotted and having the upper faces thereof transversely serrated, a pivot block mounted on each end section and having its inner face transversely serrated to engage with the serrations of the end section on which it is mounted, bolts passing through the pivot blocks and through the slots of the end sections and having nuts threaded on the shanks thereof to hold the blocks relative to the end sections and bars constituting clamping jaws pivoted adjacent their outer ends between the pivot blocks and having their inner free ends concaved to bear against the pipe embraced by the arcuate central sections of the frame bars.

In testimony whereof, I affix my signature, in the presence of two witnesses.

VIRGIL H. DERRICK.

Witnesses:
D. DORWARD,
GUY CLARK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."