Nov. 17, 1925. 1,561,844

C. B. GIPSON

ROD RACK

Filed June 11, 1923

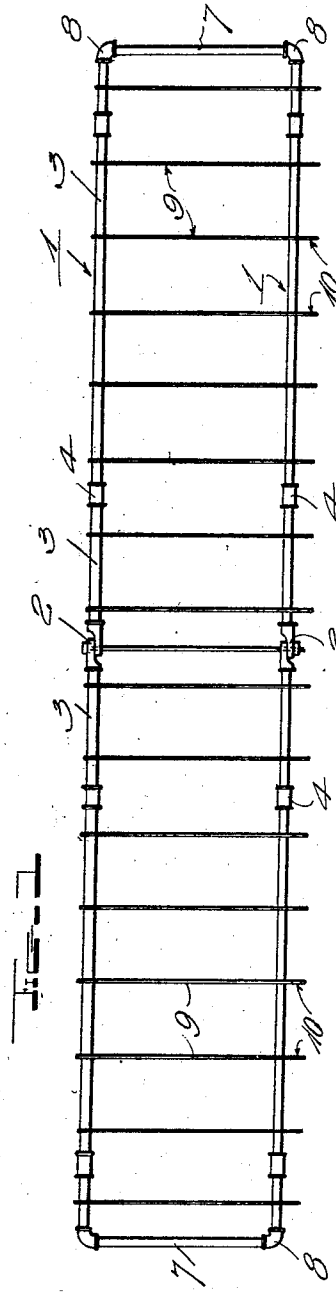


Fig. 1

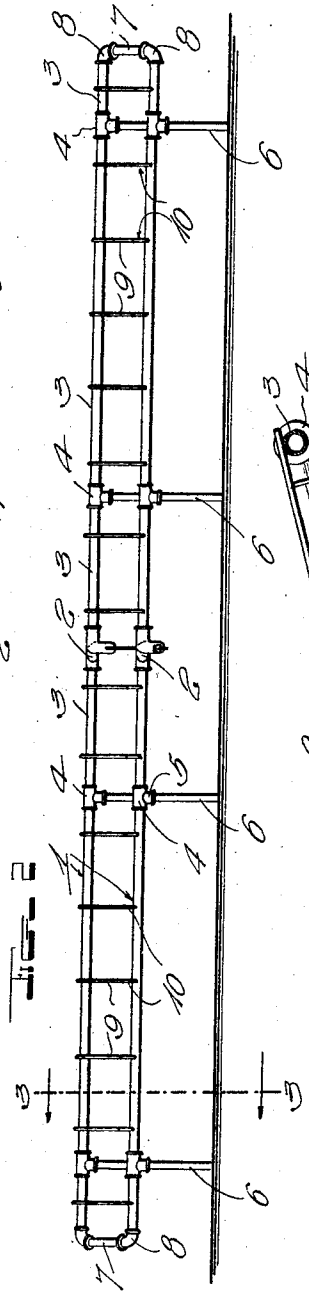


Fig. 2

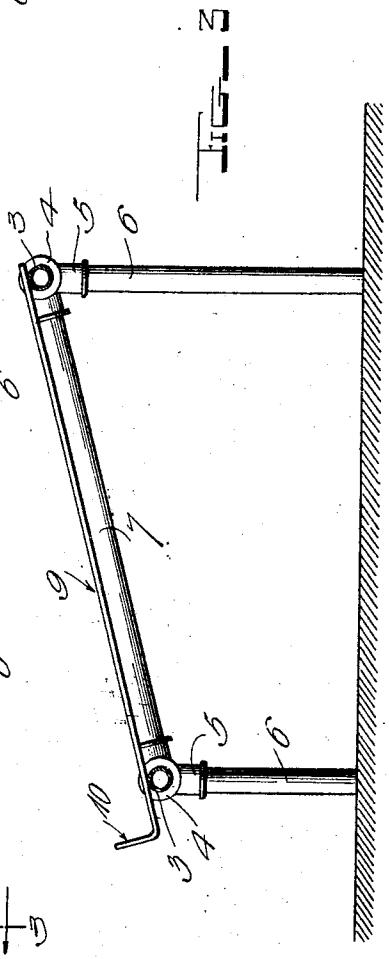


Fig. 3

Witness:

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UNITED STATES PATENT OFFICE.

CHARLES B. GIPSON, OF TULSA, OKLAHOMA.

ROD RACK.

Application filed June 11, 1923. Serial No. 644,744.

To all whom it may concern:

Be it known that I, CHARLES B. GIPSON, a citizen of the United States, residing at Tulsa, in the county of Tulsa and State of Oklahoma, have invented certain new and useful Improvements in Rod Racks; and I do 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.

My invention has for its object to provide a simple and inexpensive, yet a very desirable rack for supporting sucker rods as they are removed from a well, the construction being such that the rods may be laid upon the rack in the order in which they are removed, insuring that they shall be replaced in the proper order, as well as preventing possible bending of the rods and accumulation of sand upon them, which cannot be averted when the rods are laid upon the ground in the usual manner.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being supplemented by the accompanying drawing.

Figure 1 is a plan view of a sucker rod rack constructed in accordance with my invention.

Figure 2 is a side elevation.

Figure 3 is a vertical transverse sectional view as indicated by line 3—3 of Fig. 2.

In the drawing above briefly described, the numerals 1 designate a pair of spaced parallel side bars of a frame, each bar being by preference formed of two halves hingedly united as indicated at 2, by means of pairs of hinge sockets 2^a pivotally connected by a pivot rod 2^b so that the two ends of the frame may be compactly folded upon each other to be easily carrried from one place to another. In the preferred form of construction, each half of each bar 1 is formed of a plurality of sections 3 and the several sections are coupled together by T-couplings 4, the shanks 5 of these couplings being disposed downwardly to form sockets which detachably receive the upper ends of suitable legs 6. The legs for one of the side bars are of less length than those for the other bar and hence the entire frame will be disposed in an inclined plane.

I prefer to connect the ends of one bar 1 with the ends of the other bar, by suitable end bars 7 and elbows 8, and said bars 1 are additionally connected by straight transverse bars 9 which are preferably of circular cross section, the lower ends of these bars 9 being bent upwardly to provide stops 10.

The sucker rods are laid upon the bars 9 as they are removed from the well and the first rod slides downwardly to the extent limited by the stops 10. The next rod is placed against the first and so on, until the entire set of rods are racked. Thus, it will be an easy matter to replace the rods in the order in which they were removed from the well and while out of the latter, the rods will not be subjected to sand or other grit and there is no liability of bending them.

When the device is to be carried from one place to another, the legs 6 may be easily detached, whereupon the entire frame structure may be folded about the hinges 2, thus providing a compact article, which may be readily carried from one place to another.

As excellent results are obtainable from the details disclosed, these details are preferably followed, but within the scope of the invention as claimed, numerous minor changes may be made.

I claim:

1. A portable rack for sucker rods comprising two longitudinal sections hinged together at their inner ends, whereby one section may be folded longitudinally upon the other, supporting legs having a detachable connection with said sections, the legs along one side of said sections being shorter than the legs of the other side whereby the top of the rack assumes an inclined position, and a series of transverse bars disposed at intervals across said longitudinal sections and fastened on top thereof, said transverse bars having their lower ends bent upwardly to form stops.

2. A folding portable rack for sucker rods comprising spaced longitudinal side bars, transverse bars connecting the ends of said side bars, supporting legs detachably connected with said side bars at intervals, the legs of one of said bars being shorter than those of the other side bar whereby the top of the rack assumes an inclined position, and a series of transverse bars disposed at intervals across said side bars and fastened on top thereof, said transverse bars having their lower ends bent upwardly to form stops.

3. A portable folding rod rack comprising an elongated frame having end bars and side bars formed in sections, elbows connecting the ends of said side and end bars to form said frame, T-couplings connecting the sections of said side bars, supporting legs engaged with said T-couplings, the legs along one side being shorter than those at the opposite side, hinge sockets connecting the central two sections of each of said side bars, a pivot rod engaged with said hinge sockets, whereby one end of the frame may be folded on to the other end, and a series of transverse bars disposed at intervals across said side bars of the frame and having their lower ends turned upwardly to form stops.

In testimony whereof I have hereunto affixed my signature.

CHARLES B. GIPSON.