

J. S. Hooton,

Crab for Hand Hole Plates.

No. 105,208.

Patented July 12, 1870.

Figure 1—

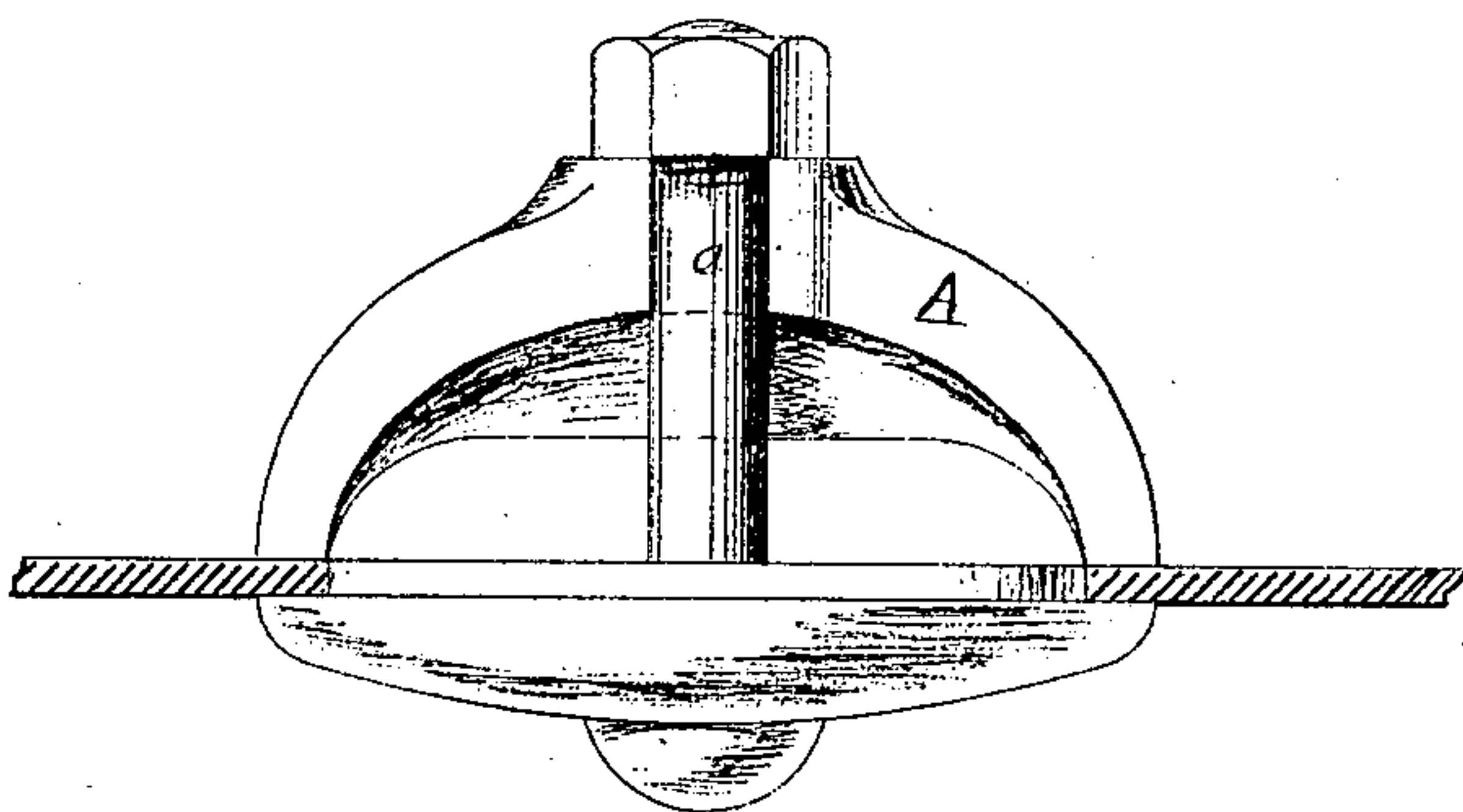
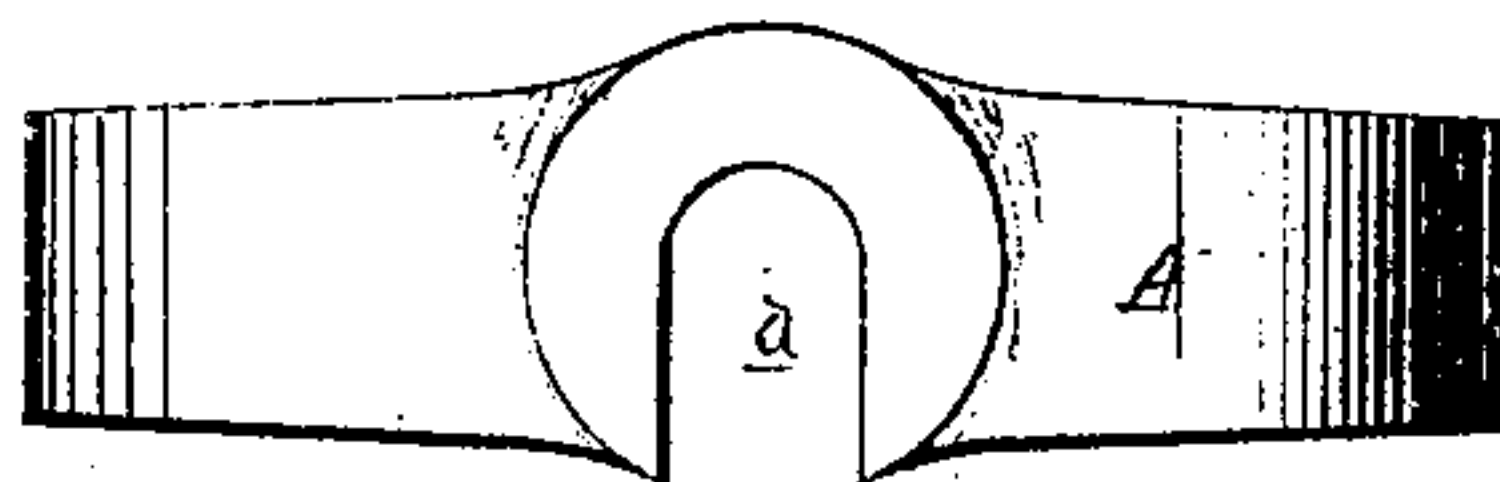


Figure 2—



ATTEST.

James Thierry
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INVENTOR.

J. S. Hooton
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United States Patent Office.

JAMES S. HOOTON, OF NEW CARLISLE, INDIANA.

Letters Patent No. 105,208, dated July 12, 1870.

CRAB FOR HAND-HOLE PLATES.

The Schedule referred to in these Letters Patent and making part of the same

To whom it may concern:

Be it known that I, JAMES S. HOOTON, of New Carlisle, in the county of St. Joseph and State of Indiana, have invented a new and useful Improvement in Crab for Hand-hole Plates; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is an elevation of my improvement, and

Figure 2 is a plan of the same.

The nature of this invention relates to an improvement in the construction of crabs for hand-hole plates, whereby the work of applying or removing the plates from the hand-holes is greatly facilitated, and without removing the nut from the bolt.

It consists in making the crab in the usual form, but instead of the bolt through the crown of the arch, a slot or recess enters the crown at one side, for the reception of the bolt.

In the drawing—

A represents a crab of the general form in common use, and having a recess, *d*, entering its crown from one side, for the reception of the bolt projecting outwardly from the hand-hole plate.

It will readily be seen that, in order to remove a plate from a hand-hole, it is not necessary to remove the nut from the bolt, and the crab subsequently, as a couple turns of the nut enables the crab to be withdrawn from the nut in a lateral direction, effecting a considerable saving in time and labor, where several plates are to be removed or replaced, and preventing the loss of the nuts.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of a hand-hole plate, A, provided with a recess, *a*, as and for the purpose set forth.

JAMES S. HOOTON.

Witnesses:

S. C. LANCASTER,
NOAH WILTHOUS,
F. D. WARNER.