

(No Model.)

J. J. BRANDT.

WRENCH.

No. 283,696.

Patented Aug. 21, 1883.

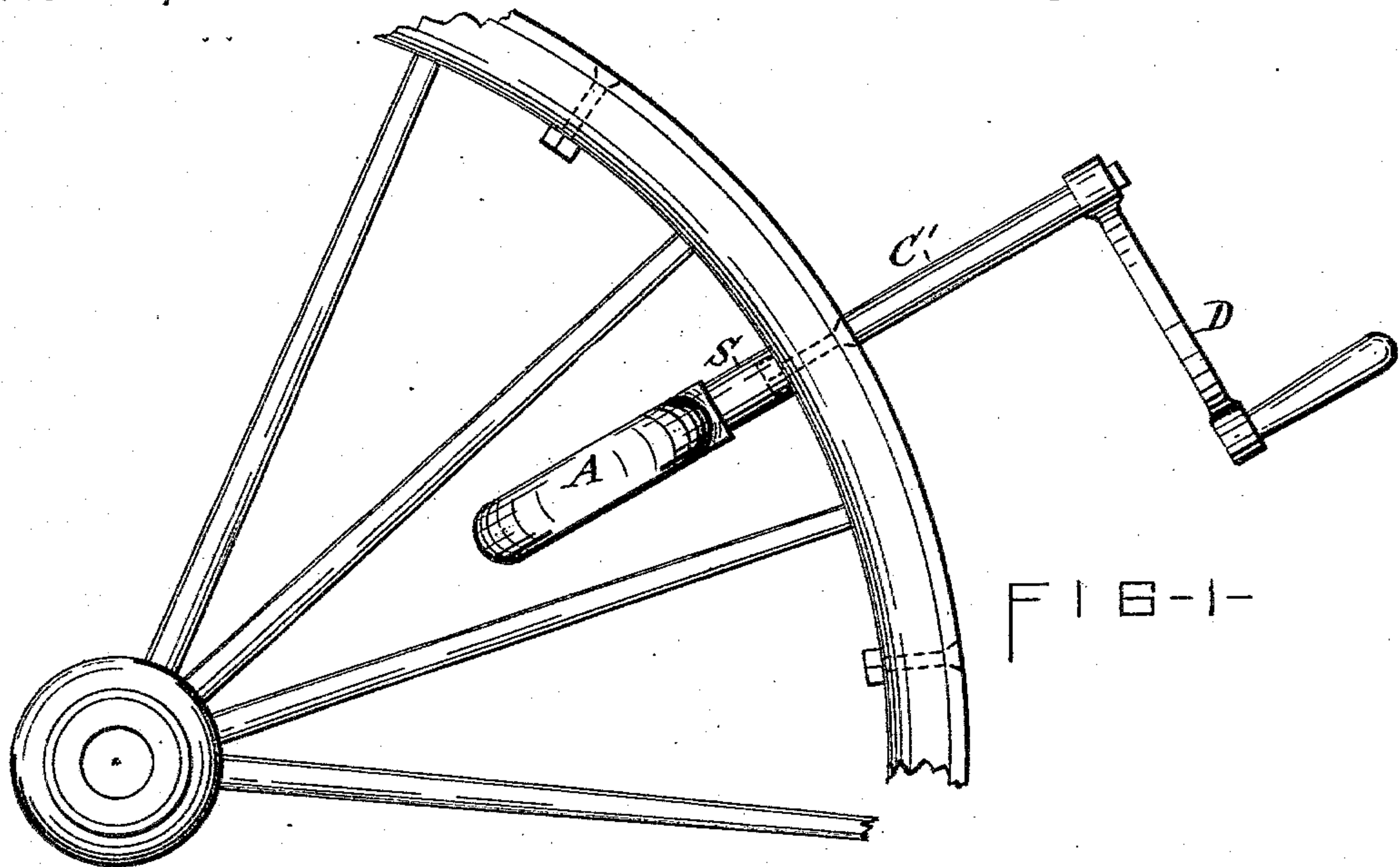


FIG-1-

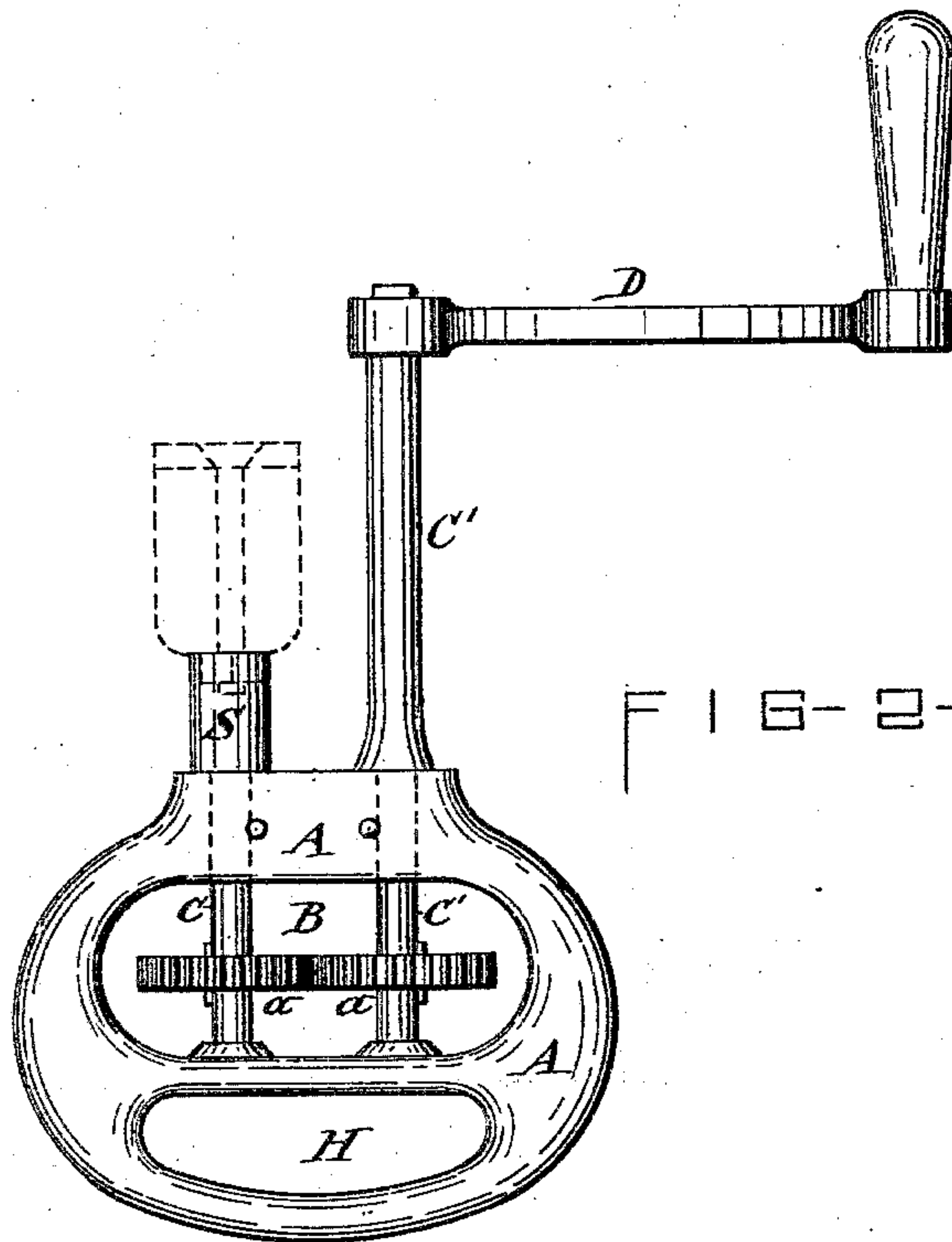


FIG-2-

WITNESSES—
Wm C. Raymond
J. H. Gibbs

INVENTOR—
John J. Brandt
Per. H. L. Laessle & Co.
his Atty.

UNITED STATES PATENT OFFICE.

JOHN J. BRANDT, OF DE WITT CENTRE, NEW YORK.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 283,696, dated August 21, 1883.

Application filed July 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. BRANDT, of De Witt Centre, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Wrenches, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists in a novel construction of a wrench designed more particularly for applying the nuts to the bolts which fasten the tires to the felloes of wheels.

In the accompanying drawings, Figure 1 shows my invention in position for operation, and Fig. 2 is a detached side view of the same.

Similar letters of reference indicate corresponding parts.

A represents a yoke or skeleton frame, or metal, formed with two openings, B and B', the metal between the latter and the exterior of the yoke constituting the handle H of the tool.

C C' are two spindles, which are journaled on the yoke, and are extended across the opening B and project from the exterior of the yoke. In the opening B are engaging-gears *a*, attached to the respective spindles, so as to transmit motion from one to the other of said

spindles. The spindle C' is provided at its outer end with a crank, D, by means of which to turn said spindle. The other spindle has connected to its outer end a socket, *s*, or other suitable device for grasping the nut of a bolt.

In operating my improved wrench the socket *s* is applied over the nut of the bolt, and then by turning the crank D the socket *s* is rotated to turn the nut on or off the bolt.

Having described my invention, what I claim is—

The combination of the yoke A, provided with the handle H and opening B, the spindles C C', journaled on and projecting from the yoke, gears *a* on the spindles, the socket *s*, attached to the spindle C, and the crank D on the spindle C', substantially in the manner described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 25th day of June, 1883.

JOHN J. BRANDT. [L. S.]

Witnesses:

F. H. GIBBS,

WM. C. RAYMOND.