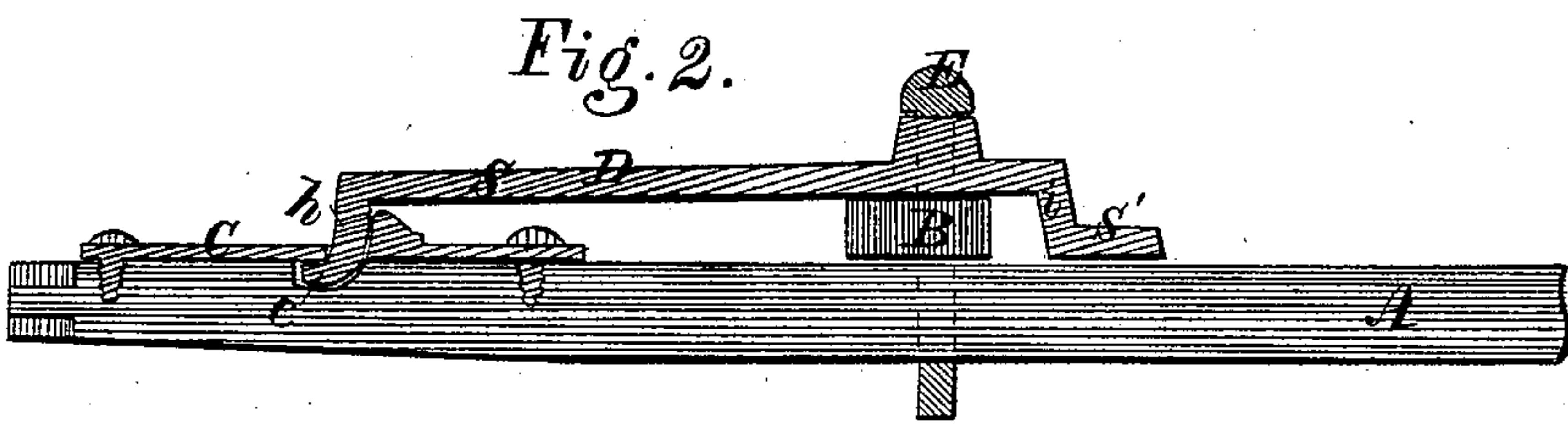
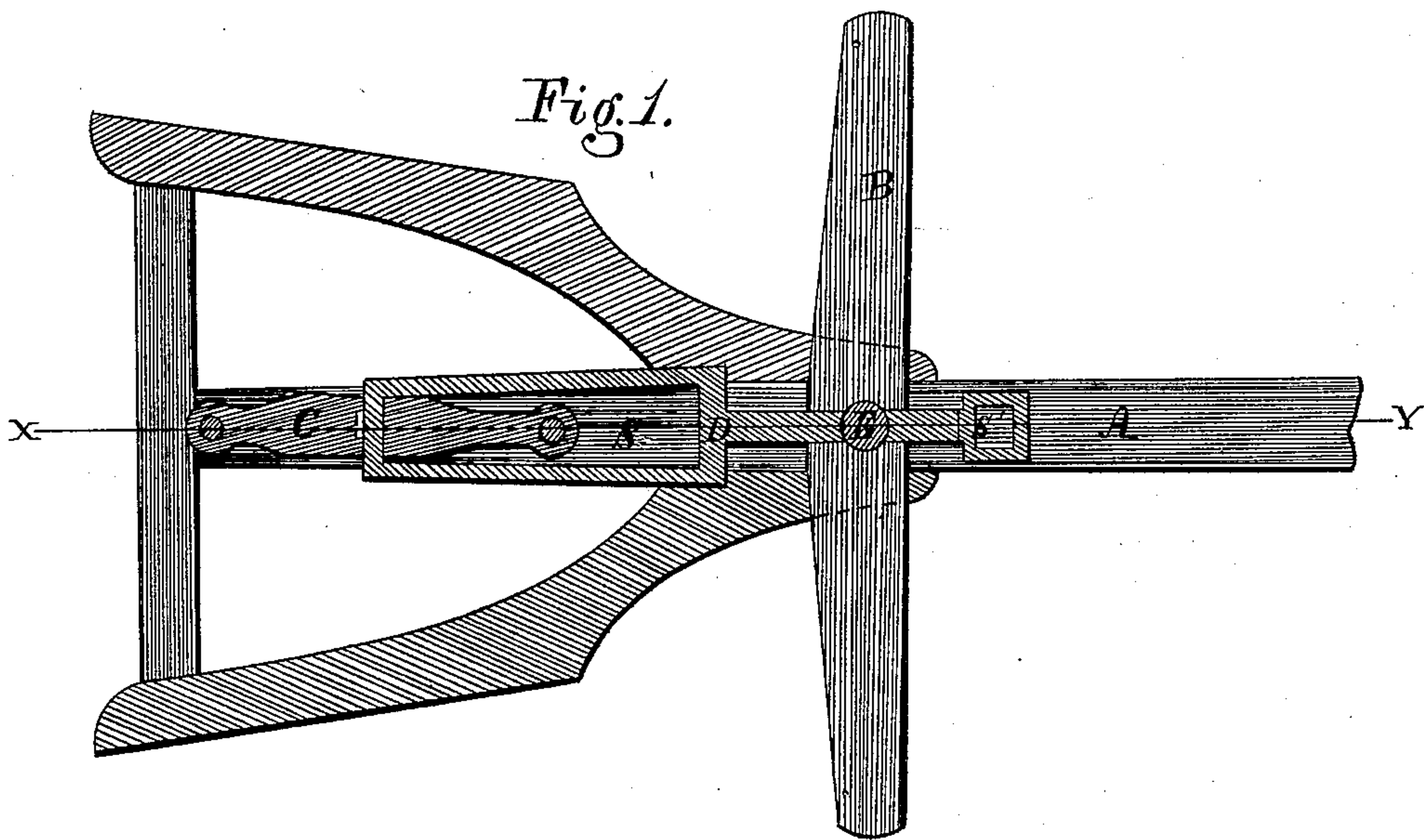


## Tongue Support.

**No 103,421.**

Patented May 24, 1870.



Witnesses:  
Mr E. Stevens  
J. E. Fooker

Inventor.  
Charles, Brown

# United States Patent Office.

CHARLES BROWN, OF ADRIAN, MICHIGAN, ASSIGNOR TO HIMSELF AND  
AARON G. SALMON, OF SAME PLACE.

*Letters Patent No. 103,421, dated May 24, 1870; antedated May 13, 1870.*

## IMPROVED HAMMER-STRAP FOR WAGONS.

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

I, CHARLES BROWN, of Adrian, in the county of Lenawee and State of Michigan, have invented certain Improvements in "Hammer-Straps for Wagons," of which the following is a specification.

### *Nature and Objects of the Invention.*

The nature of my invention consists in providing wagon-tongues with an adjustable combined wrench and hammer-strap, so constructed that it may be readily detached from the wagon, as a hammer-strap, and be used as a wrench for turning any-sized nut about the wagon.

Figure 1 is a vertical view of one of my adjustable hammer-straps attached to the wagon-tongue A and double-tree B, in the manner in which the same is designed to be used.

Figure 2 represents a vertical longitudinal section, cutting the line X Y in fig. 1.

A is the tongue of the wagon.

B, the double-tree.

C, the draw-plate.

D, the adjustable hammer-strap and wrench combined.

S and S' are the openings that constitute the wrench.

E is the double-tree bolt.

This adjustable hammer-strap and wrench D is cast of malleable iron, with a tapering slot, S, near the

rear end, to turn the different sizes of nuts about the wagon, and at the other end a square hole, S', through a portion thrown downward at the extremity of the shank *i*, so as to reach the nut within the band on the hub of the wheel.

*c* is a foot, turned backward at the lower end of the offset *h*, at the rear end of the strap D.

This offset *h* passes downward through the opening made in the draw-plate C, and then turns backward, running under the draw-plate C, as represented in fig. 2.

The hammer-strap D is readily detached from the tongue, when desirable, by first drawing the double-tree bolt E, and then elevating the forward end of the strap high enough to allow the foot *c* to draw out of its seat in under the draw-plate C; and by reversing the process it may be replaced in position for use.

### *Claim.*

I claim as my invention—

The combined hammer-strap and wrench D, with the offset *h* and foot *c*, to be used in connection with the draw-plate C, constructed in the manner and for the purposes set forth and described.

CHARLES BROWN.

Witnesses:

M. E. STEWART,

J. E. TOOKER.