

BY NUNAMACKER.

Improvement in Tongue Support.

No. 125,839.

Patented April 16, 1872.

Fig. 1.

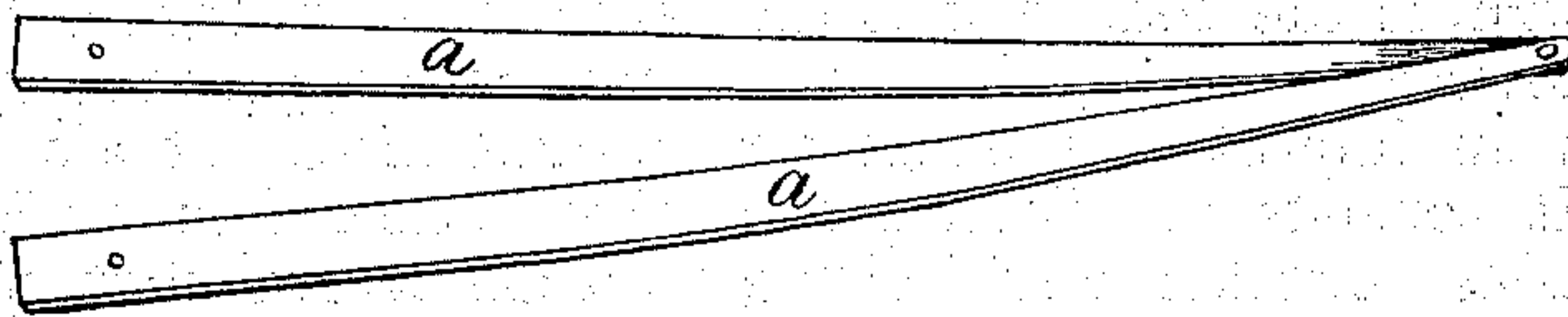
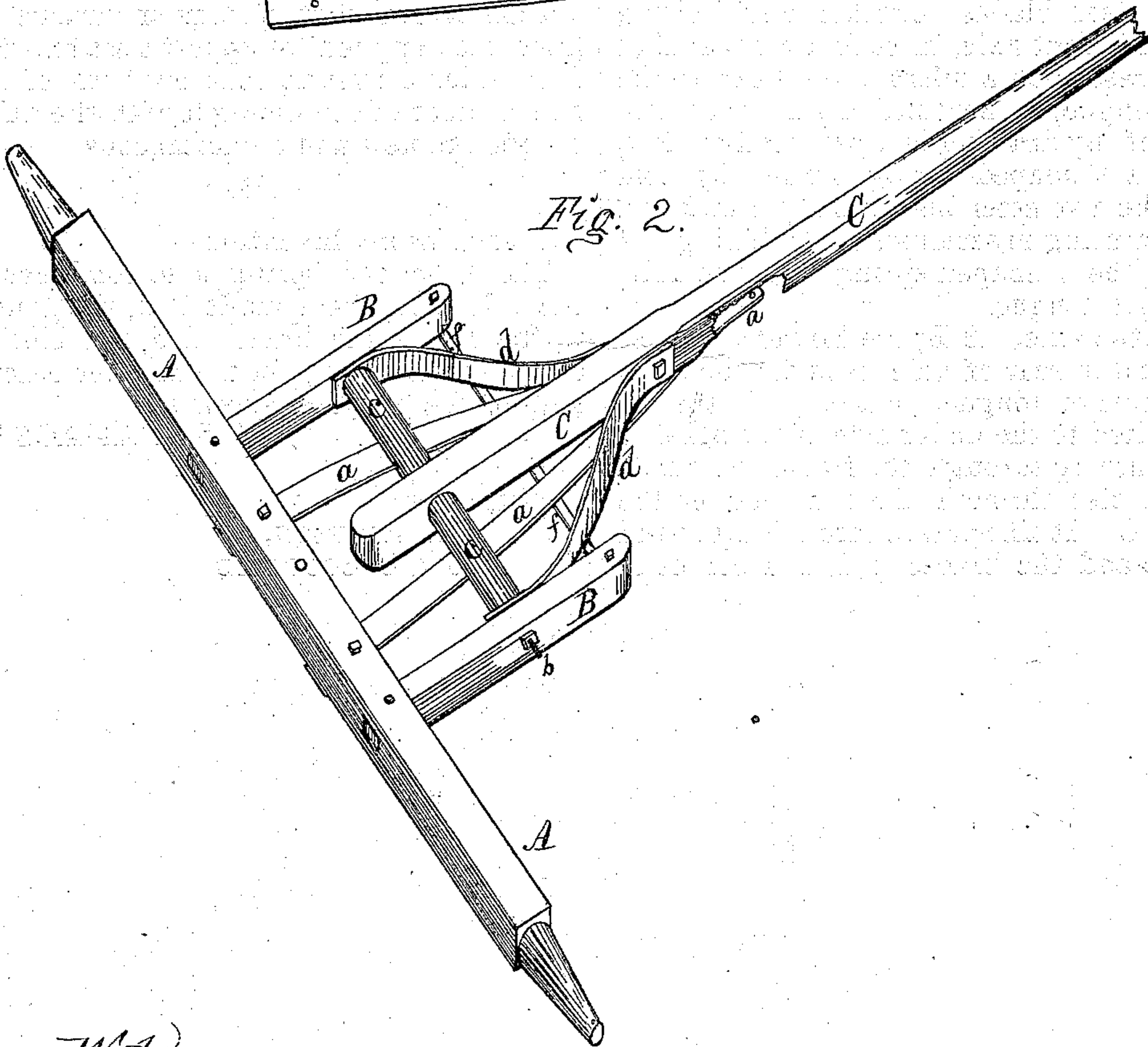


Fig. 2.



Witnesses,

N. Lipp... }
Mr. E. Orwig. }

By Nunamacker, }
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UNITED STATES PATENT OFFICE.

BY NUNAMACKER, OF EARLHAM, IOWA.

IMPROVEMENT IN TONGUE SUPPORTS.

Specification forming part of Letters Patent No. 125,839, dated April 16, 1872.

SPECIFICATION.

Specification describing certain Improvements in Wagons, invented by BY NUNAMACKER, of Earlham, in the county of Madison and State of Iowa.

My invention is an improved support for wagon-tongues. It consists in pivoting two tapering steel blades together and bolting them to the front axle, in such a manner that they will rest upon a fulcrum and bear up the pivoted tongue, as hereinafter fully set forth.

Fig. 1 of my drawing is a perspective view, showing a V-shaped spring, formed by connecting the two steel blades *a a*. Fig. 2 is a view illustrating my manner of combining and operating the V-shaped spring with the axle, hounds, and tongue.

A A is the axle. *B B*, the hounds. These may extend in rear of axle as is common. *C C* is the pole or tongue. *a a* is the V-shaped spring bolted to the under side of the axle. *b* is a rod passing through the frame or hounds *B B*, and also through the rear end of the tongue *C C*. It also passes through the round blocks *c c* and the braces *d d*, and serves to

hold all securely together in such a manner that the tongue is pivoted and allowed vertical play. *f f* is an iron bar, bolted to the front ends of the hounds, and serves as a fulcrum to support the spring *a a* upon which the tongue rests. It also adds to the strength of the frame or hounds *B B*.

I am aware that springs of various forms have been applied to support a wagon-tongue. I consider, however, that my form of spring and manner of combining it with the axle and tongue are new and advantageous.

Claims.

I claim as my invention—

The V-shaped spring *a a*, combined with the axle *A A*, the hounds *B B*, the tongue *C C*, the rod *b*, the braces *d d*, the blocks *c c*, and the fulcrums *f f*, in the manner described, and for the purposes specified.

BY NUNAMACKER.

Witnesses:

F. A. SIMPSON,

EDW. S. SCOFIELD.