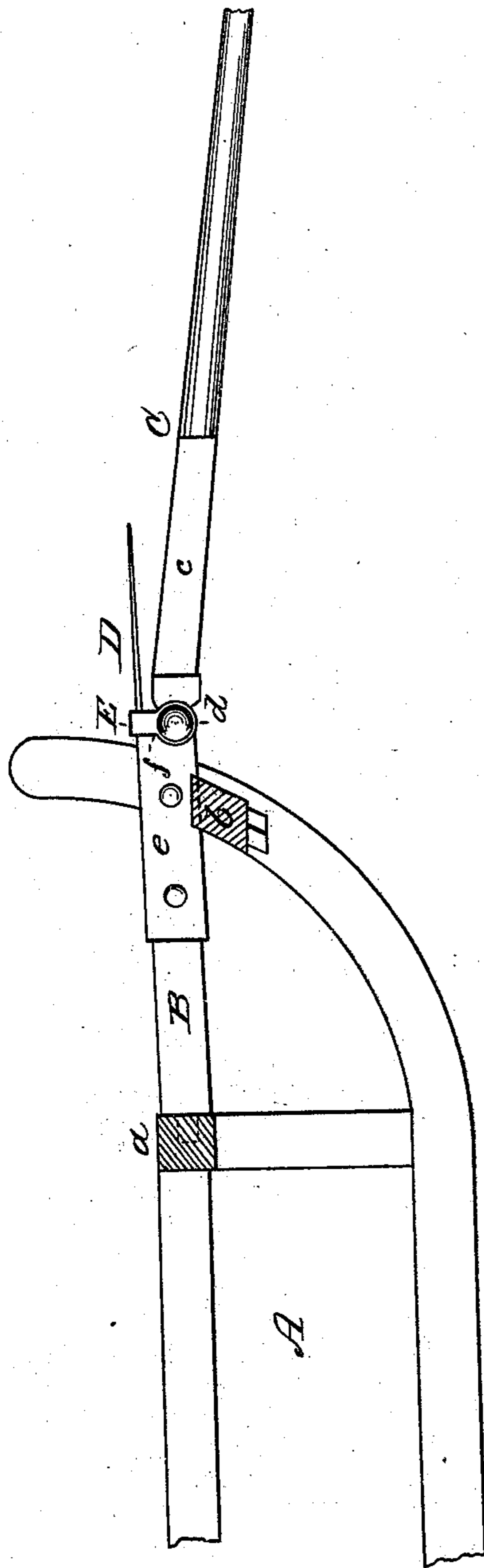


A. ZIEGLER.
TONGUES FOR VEHICLES.

No. 173,525.

Patented Feb. 15, 1876.



WITNESSES

Nat. E. Oliphant.
M. J. J. J.

INVENTOR

Amos Ziegler,
per Charles H. Fowler

Attorney

UNITED STATES PATENT OFFICE.

AMOS ZIEGLER, OF ANDERSONBURG, PENNSYLVANIA.

IMPROVEMENT IN TONGUES FOR VEHICLES.

Specification forming part of Letters Patent No. **173,525**, dated February 15, 1876; application filed June 2, 1875.

To all whom it may concern:

Be it known that I, AMOS ZIEGLER, of Andersonburg, in the county of Perry and State of Pennsylvania, have invented a new and valuable Improvement in Tongues for Vehicles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure in the drawing represents my improved tongue as attached to a sleigh.

This invention has relation to tongues for sleighs, wagons, or other vehicles; and consists in the employment of a plate or bar in connection with a strengthening-bridge, against which the inner end of the hinged draft-tongue abuts, to check its upward throw, as will be hereinafter more fully set forth.

In the drawing, A is designed to represent a part-sectional view of a sleigh with my improved tongue attached thereto. The stationary part of the tongue, as shown at B, is secured by mortise and tenon, or in any other suitable manner, to the cross-piece *a*, and bolted or otherwise fastened to the cross-piece *b*, these pieces *a b* being rigidly secured to, and forming a part of, the frame of the sleigh. The draft-tongue C has upon its sides strengthening-plates *c*, terminating at their inner ends with ears, by means of which the draft-tongue C is hinged to the stationary part B by a

suitable bolt, *d*. The part B of the tongue is provided with strengthening-plates *e*, and upon its upper face a flat bar, D, extending over the end of the same sufficiently to form a bearing and support for the draft-tongue, and thereby check its upward throw when the team backs, and prevents the front end of the draft-tongue from being thrown up too high while descending a hill, or when suddenly stopping the sleigh or wagon. To give the required strength and rigidity to the bar D, and prevent the same from working loose by the pressure thereon of the tongue C, a bridge, E, is employed, the same having ears *f*, by which it may be secured in place by the same bolt that connects the two parts B C of the tongue.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The tongue for sleighs or other vehicles, consisting of the hinged draft-tongue C and stationary part B, the same having the projecting bar D and bridge E, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

AMOS ZIEGLER.

Witnesses:

JOS. B. GARBER,
D. P. ELDERS.