

C. K. WILCOX.

Improvement in Wagon-Hounds.

No. 132,342.

Patented Oct. 15, 1872.

Fig. 1.

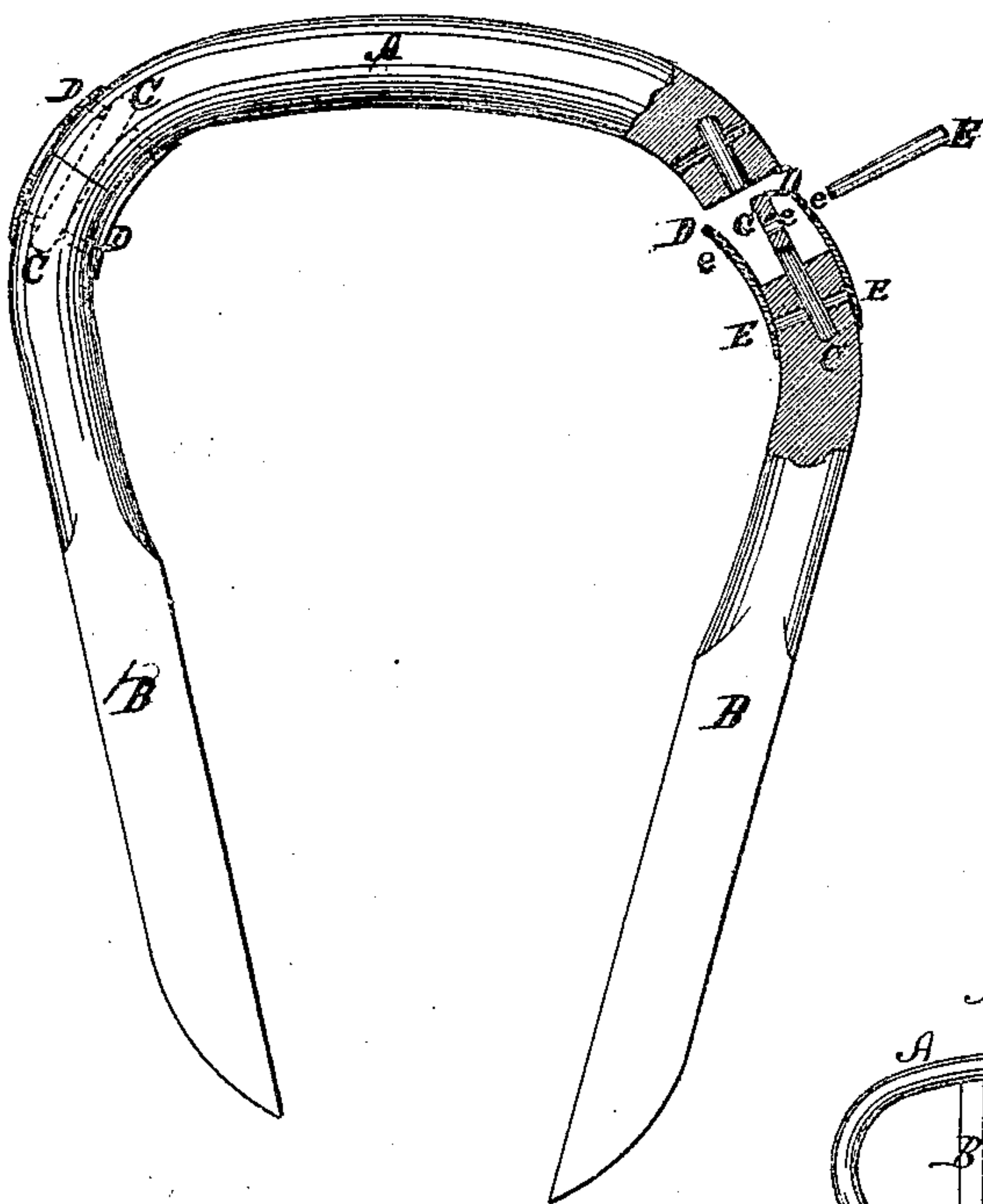


Fig. 3.

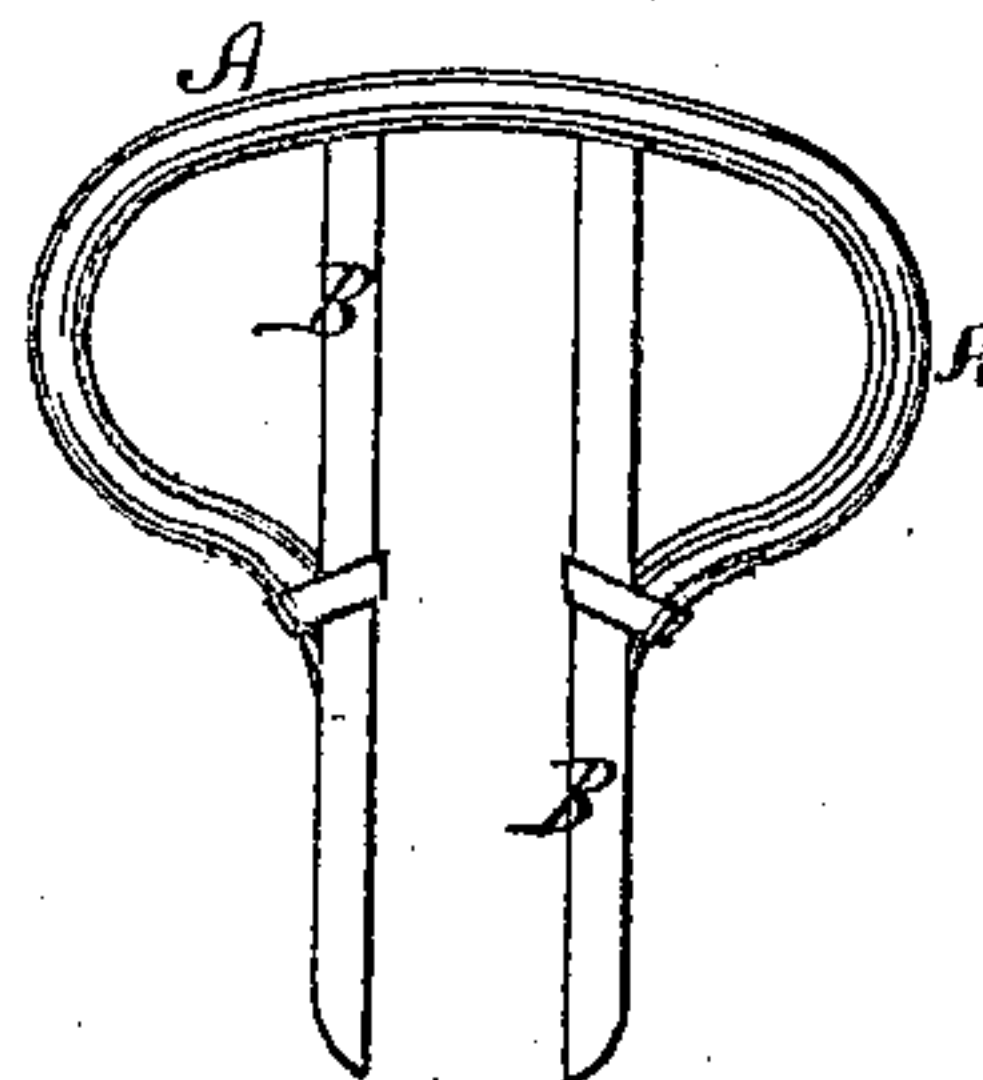
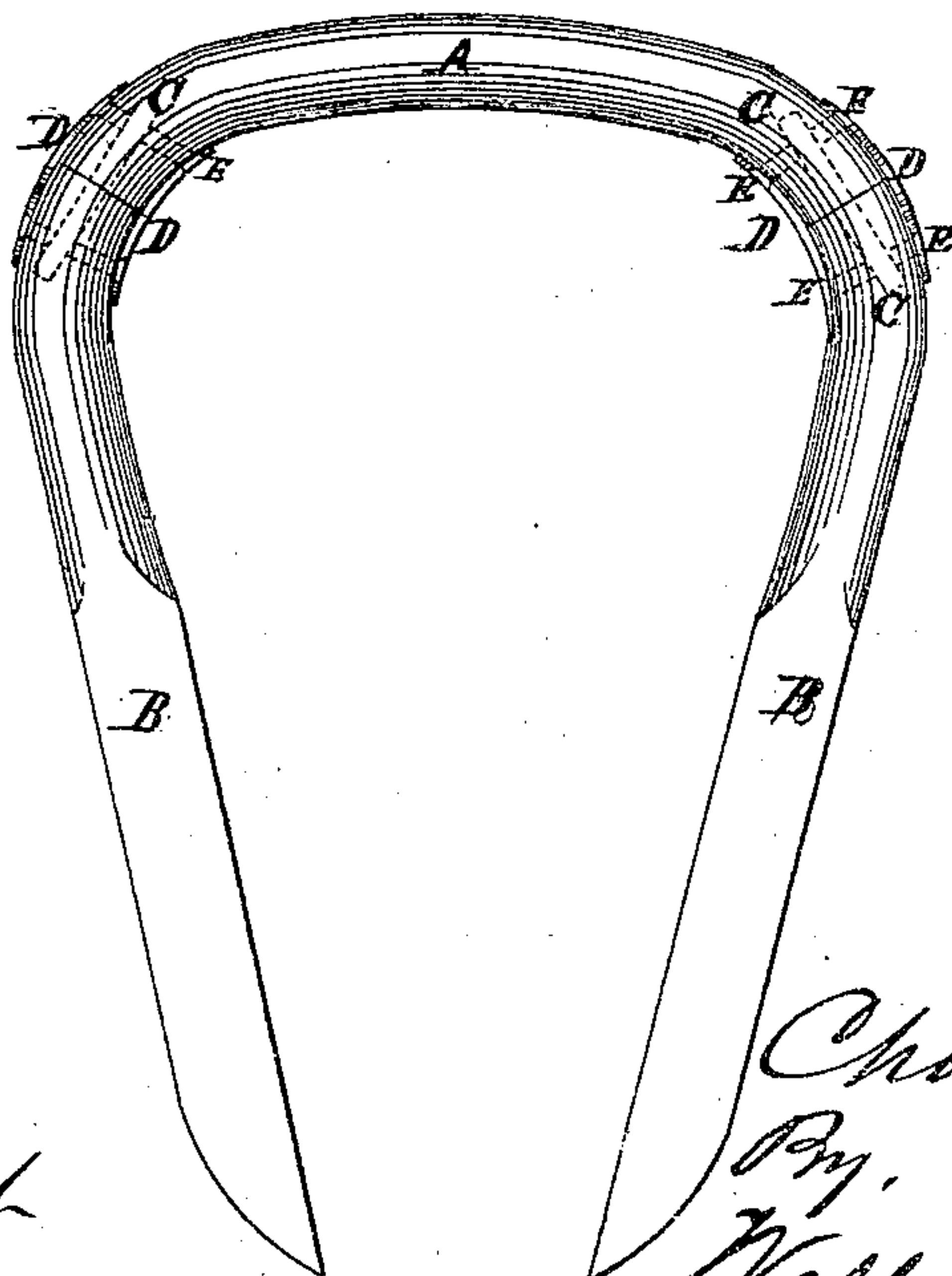


Fig. 2.



WITNESSES:

Herm. Sauton  
H. J. Abbott

INVENTOR:

Chas. K. Wilcox.  
By  
Wells W. Lyggett,  
Attorney.

# UNITED STATES PATENT OFFICE.

CHARLES K. WILCOX, OF SANDUSKY CITY, OHIO.

## IMPROVEMENT IN WAGON-HOUNDS.

Specification forming part of Letters Patent No. 132,342, dated October 15, 1872.

*To all whom it may concern:*

Be it known that I, CHARLES K. WILCOX, of Sandusky city, county of Erie, State of Ohio, have invented a new and Improved Wagon-Hound; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing which forms a part of this specification.

My invention relates to a hound for vehicles formed of three pieces of material, united at the joints in such manner as to avoid the usual weakening of the structure by bending the fibers at a short angle.

In the drawing, Figure 1 is a view of the wagon-hound, in which B are the pieces that form the sides and A the piece that forms the end. D D are plates of metal corresponding in curvature with the surfaces to which they are applied. C is a dowel, pierced for the insertion of the rivets E. The plates D are similarly pierced. e e are rivet-holes. Fig. 2 is a view of the joint when the pieces are united. Fig. 3 is a view of the hound prepared to receive a stiff tongue, in which B B are jointed into a, and A is extended around at each end and meet the pieces B, to which they are fastened.

Heretofore in the manufacture of solid bent hounds great difficulty has been experienced in securing such material as would bend as required, and also in seasoning after being bent the material would splinter or sliver at the curved angles. I therefore propose to overcome this difficulty by forming the hound of three pieces, instead of one, as follows:

The top piece A is curved by bending the two ends in the same direction slightly, as shown in the drawing. The side pieces B are curved toward each other at the top ends, and are united to the piece A by a joint. This joint is made perpendicular to the tongue at

the point of juncture, but on a level with the fibers, so that the fibers are not weakened by having been bent too short, and the danger of slivering is avoided, while at the same time the curve is made continuous.

By this means of forming a hound the angular portions can be made more abrupt than by forming it from a solid piece. It can therefore be made shorter, and the angular portions will project sufficiently far to serve the purposes of a step; or a step may be attached at these points. In forming a stiff-tongue hound the side pieces B, instead of being jointed to the ends of A, are continued straight up to the sweep A, and are mortised or otherwise attached to it. The ends of A are continued beyond the ends of B, are bent around, as shown in Fig. 3, and united to the sides of the hound pieces B either at or near the axle, or may pass through the latter. The pieces B are made heavier from the curved portions or from the sweep toward the axle, in order to gain stiffness and rigidity in bracing the wagon-tongue.

The object of my invention is—first, the choice of material is not so limited; second, if any piece is broken, either in construction or use, it can be easily replaced; third, the hound is, by being shortened, relieved of the objection of sagging; fourth, the structure is rendered stronger at the joints.

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

A wagon-hound composed of three pieces, A B B, or their equivalents, so bent or shaped that when jointed and secured substantially as described they form a wagon-hound, with curved or rounding corners, as herein described.

CHAS. K. WILCOX.

Witnesses:

WELLS W. LEGGETT,  
M. F. COWDERY.