(No Model.)

2 Sheets—Sheet 1.

E. TURNEY.

HOUND FOR VEHICLES.

No. 497,223. Patented May 9, 1893.

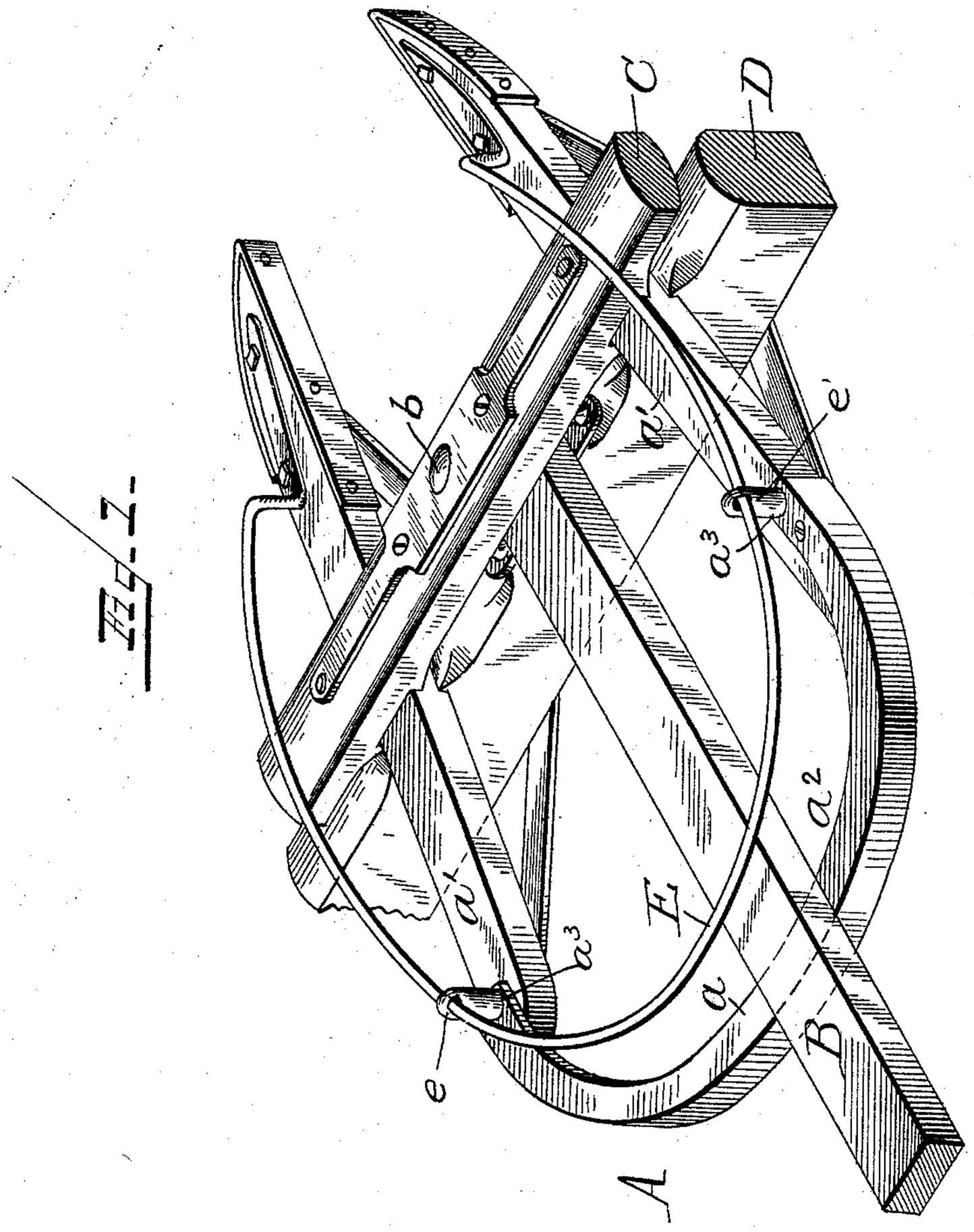

FIG. 1.

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(No Model.) 2 Sheets—Sheet 2.

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Fig. 2.

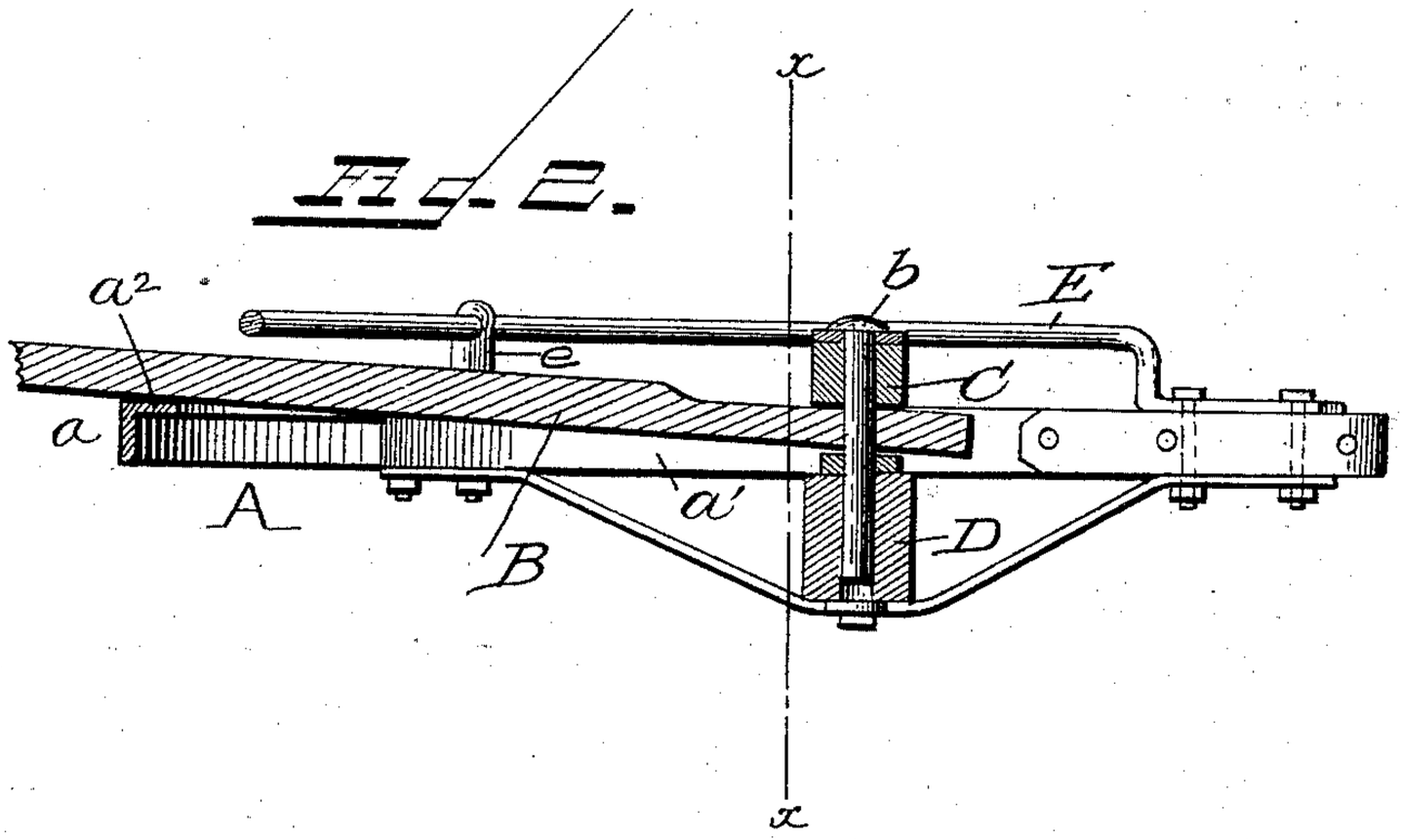


Fig. 3.

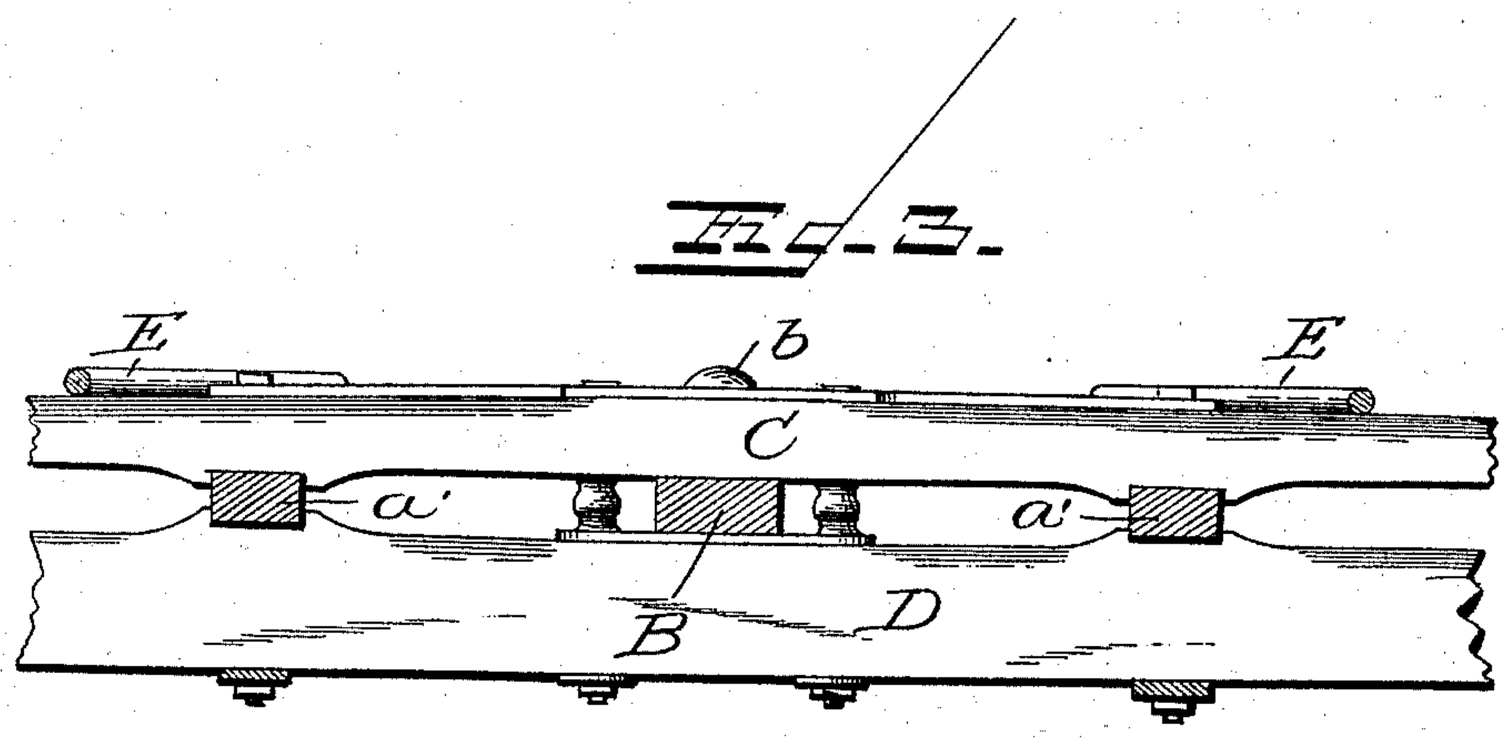
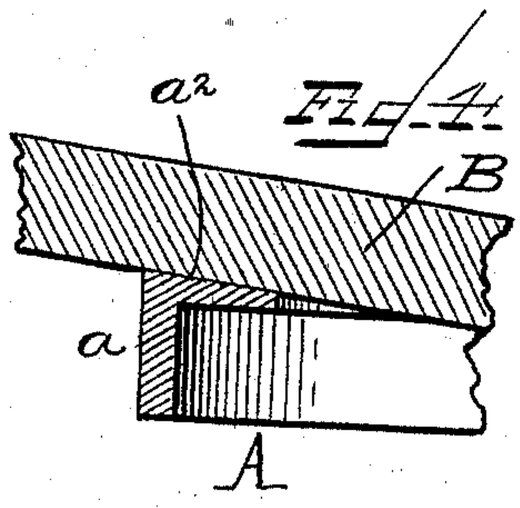


Fig. 4.



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UNITED STATES PATENT OFFICE.

ELLSWORTH TURNEY, OF FAIRFIELD, IOWA.

HOUND FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 497,223, dated May 9, 1893.

Application filed July 23, 1892. Serial No. 441,077. (No model.)

To all whom it may concern:

Be it known that I, ELLSWORTH TURNEY, a citizen of the United States, residing at Fairfield, in the county of Jefferson and State of Iowa, have invented certain new and useful Improvements in Hounds for the Front Gears of Vehicles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved hound for vehicles and it consists in the detailed construction of the same, substantially as hereinafter more fully disclosed and pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved vehicle hound. Fig. 2 is a central longitudinal section, of device shown in Fig. 1. Fig. 3 is a detailed cross-section of the same. Fig. 4, is a sectional detail showing the beveled and L-shape of the arcuate section.

In the drawings, A refers to the hound, proper, made of three sections, the middle or arcuate section *a* being of metal and the side or straight sections *a' a'* being of wood, this composition of parts having a special design as will appear farther on.

The reach is indicated by letter B, and is secured to the bolster C, by the king bolt *b*. The axle is lettered D, but except in the particular to be hereinafter more specially explained and indicated in the claim, the device is of the usual and ordinary construction. The arcuate section is united at its respective ends to the straight sections *a'*, *a'*, at a^3, in any desired way or manner. The arcuate or middle metal section is inwardly beveled upon its upper surface, as at a^2, in order to conform to the different planes the reach and the curved rear bar assume in turning the vehicle to present a flat surface throughout to the under side of the reach B and thus obviate the undue wear or cutting of the reach B to which it would otherwise be subjected, and which ordinarily is provided against, by arming the reach with a metal wearing plate at this point. The bent hound when fitted in the gear has its rear or bent part passing under the reach and in connection with the semicircular rod or bar E of metal above the reach, holds the gear in proper position and forms a guide for the reach to work sidewise when the vehicle is turning. The bent or semicircular bar E, is secured at its ends to the front ends of the hound, and passes through posts *e*, on the ends of the metal section A.

It will be understood that I do not confine myself to any particular contour or shape as to the outline of the metal section of the hound, nor to any particular mode of fastening the ends of metal section to the wood parts of hound. The particular L shaped cross-sectional contour of the form of metal section of hound herein shown, is designed for giving the best results, for ease of application and fastening, for proper strength, and for providing sufficient and proper wearing surface for the reach.

The wood pieces in my improved hound are short and can be obtained from low grade material.

The metal section, in addition to providing a continuation of the wood side pieces, also substitutes the wear plate riveted on the ordinary wood hound. The ordinary bent wood hound is cumbersome to handle and store, inconvenient to work into the required shape on machinery, hard to duplicate where repairs are wanted, and, if broken at any point, an entire new hound has to be substituted which, from its nature and the difficulty to duplicate it, different manufacturers of vehicles using different patterns, makes it an expensive article to repair.

I claim—

The improved hound for vehicles comprising the arcuate, metal section, and the straight or side wood pieces or sections, said metal section being beveled upon its upper surface to present a continuous flat surface throughout to the under side of the reach as the hound and reach assume different planes in turning the vehicle, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ELLSWORTH TURNEY.

Witnesses:

W. O. HARPER,

I. S. DALE.