

No. 732,961.

PATENTED JULY 7, 1903.

J. R. ROACH.
HORSE COLLAR PAD.

APPLICATION FILED OCT. 20, 1902.

NO MODEL.

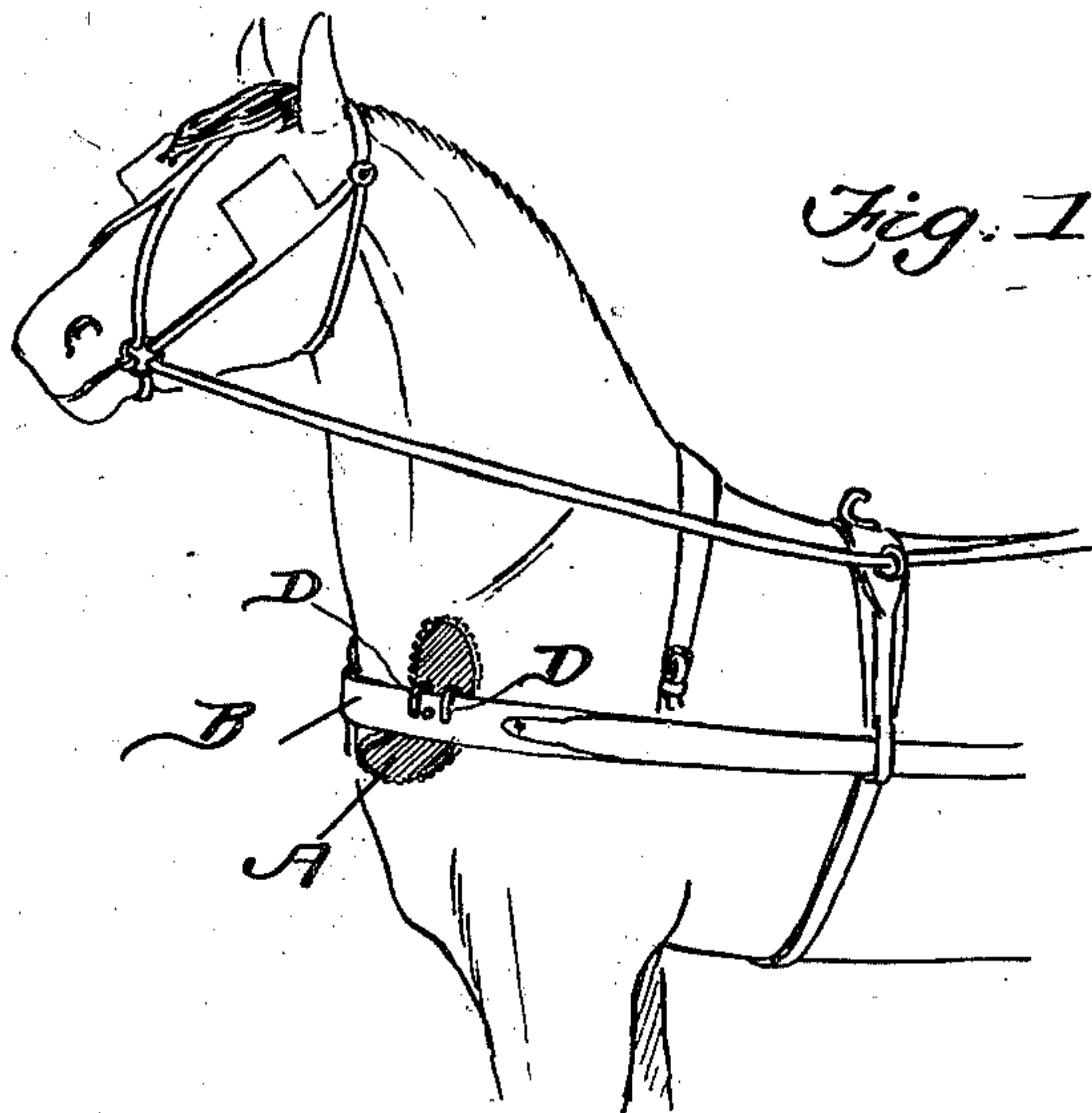


Fig. 1.

Fig. 2.

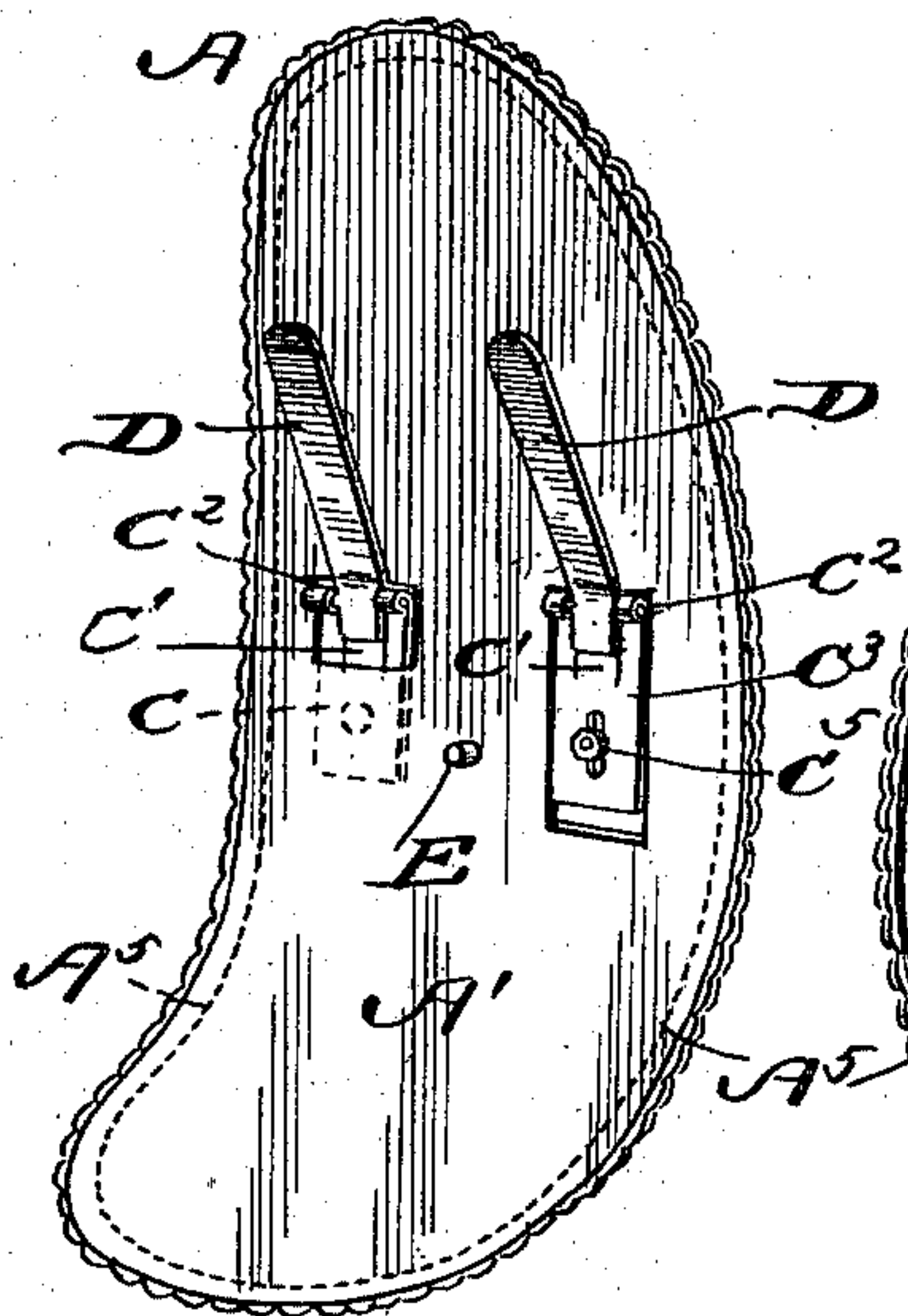


Fig. 3.



Fig. 4.

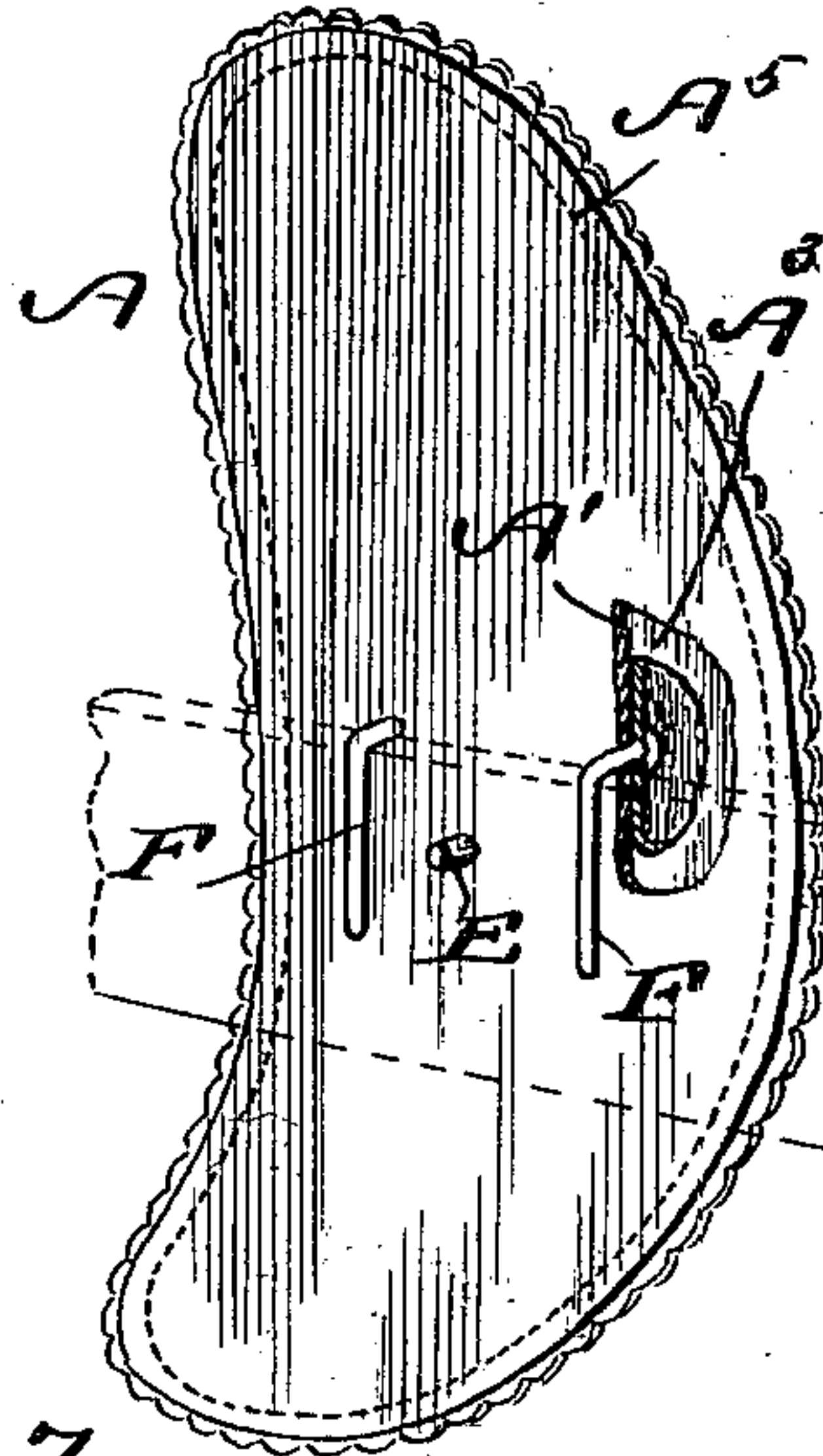
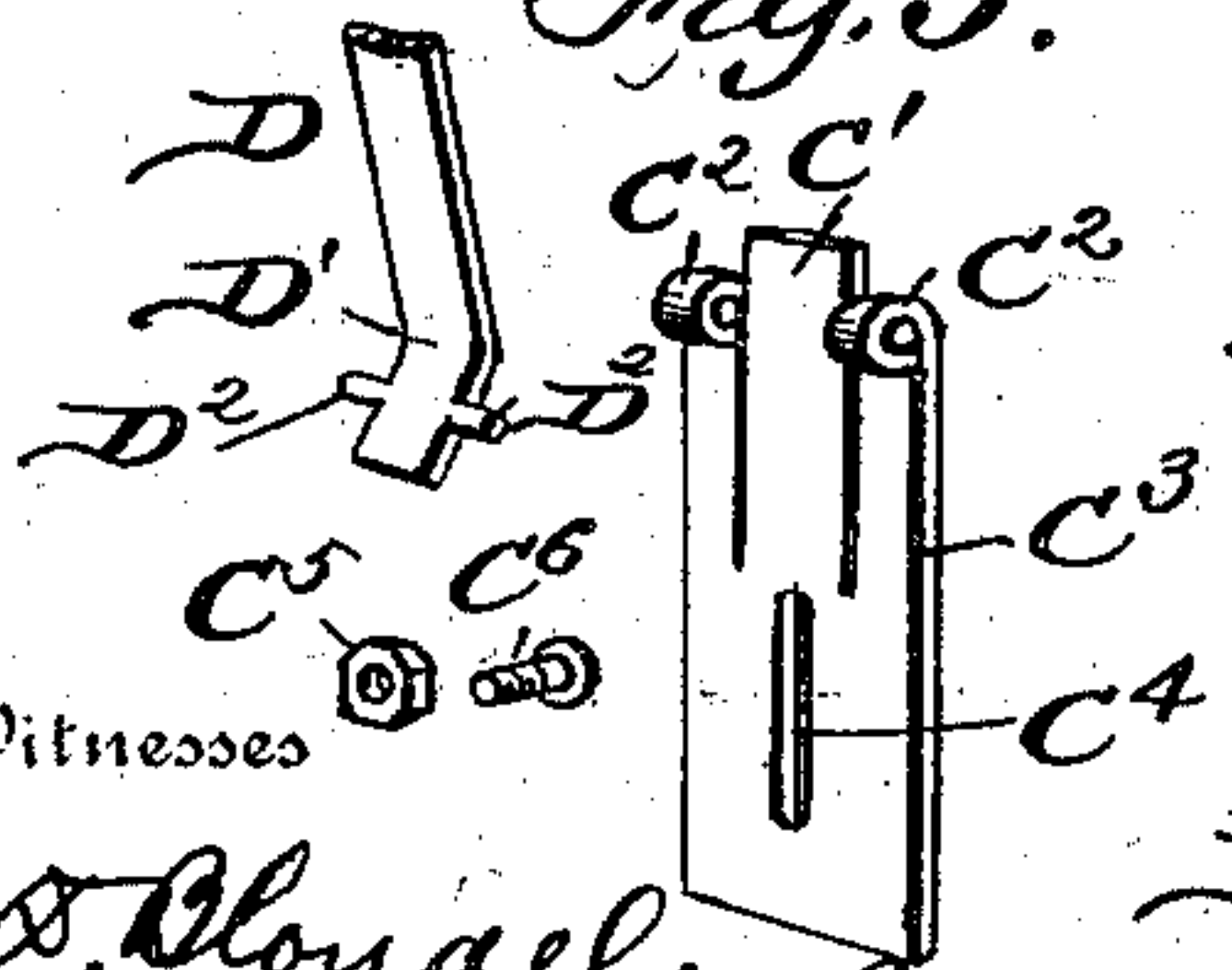


Fig. 5.



Witnesses

W. S. Clonard,
Charles Shaw

Fig. 6.

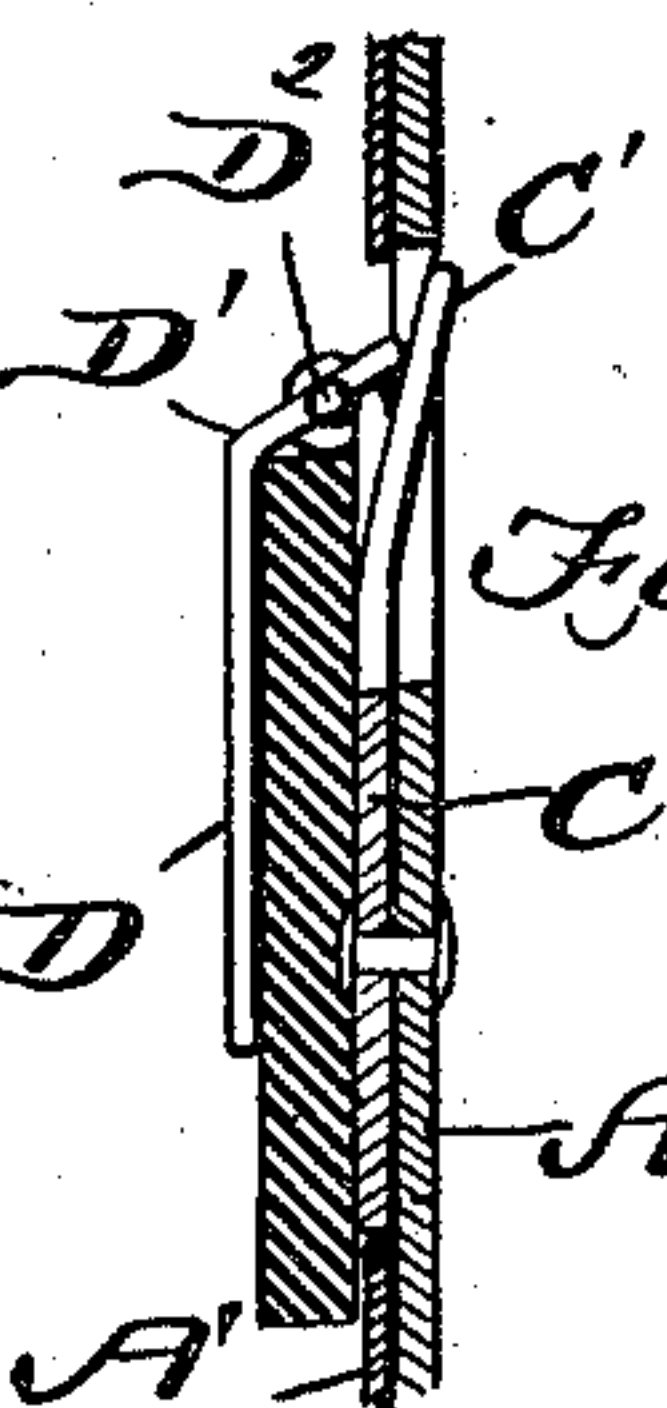


Fig. 7.



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UNITED STATES PATENT OFFICE.

JOHN R. ROACH, OF CALE, INDIANA.

HORSE-COLLAR PAD.

SPECIFICATION forming part of Letters Patent No. 732,961, dated July 7, 1903.

Application filed October 20, 1902. Serial No. 127,987. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. ROACH, a citizen of the United States, residing at Cale, in the county of Martin and State of Indiana, have invented a new and useful Horse-Collar Pad, of which the following is a specification.

My invention is an improved breast-pad for horses; and the object of my invention is to produce a pad which can be secured to the harness and which will not press upon the windpipe or jugular vein and which will not cause the hair to fall off on the parts covered by the pads.

These pads are especially designed for use in heavy pulling.

In the accompanying drawings, Figure 1 is a perspective view showing the practical use of my pad. Fig. 2 is a detail view of the outer side of a pad. Fig. 3 is a similar view showing the inner side of a pad. Fig. 4 is a detail view of a modification, part of the pad being shown in section. Fig. 5 shows detail views of the preferred means of securing the pad to the harness. Fig. 6 is a detail sectional view showing the pad locked to the breast-strap. Fig. 7 is a cross-section through the pad.

In carrying out my invention I employ pads A, designed to be secured to the breast-strap B, as indicated in Fig. 1. These pads are formed with a straight outer face A' and a convex inner face A², which may be of soft or enameled leather, as preferred, or any desired material. A metal plate A³ lies under the surface A', and between the plate and the surface A² is any suitable soft packing material A⁴. The two sides of the pad are stitched together, as shown at A⁵. A plate C, having a spring-tongue C' formed at one end, the ends of the plate on either side of the tongue being bent over to form eyes C², is riveted to the plate A³ on one side of the pad, while a similar plate C³ is adjustably secured to the pad, the surface A' being cut away. A slot C⁴ is longitudinally produced in this plate, and the plate is held in position by a nut and

bolt C⁵ C⁶. Locking members D, bent at D' and having trunnions D², are secured to the plates, the trunnions engaging the eyes C², which serve as bearings for them. A pin E projects outwardly from the central portion of the surface A'.

In Fig. 4 I have shown bent wire members F revolvably secured in the plate A³ and adapted to have their free ends turned downward over the outer surface of the breast-strap.

In use my pads are secured one upon either side of the horse on the breast-strap where the tensioned strap would bear most in heavy pulling. The pin E is inserted in a perforation formed in the breast-strap and the members D are bent down over the strap B. The slot C⁴ allows vertical adjustment of the plate C³, so that both members D can be bent over the strap and the pad properly adjusted at various inclinations of the breast-strap.

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

1. A pad of the kind described comprising a piece of leather having a flat face, an outwardly-curved piece of leather, the edges of the two pieces being secured together, a flat metallic plate secured against the inner face of the flat piece, packing material between the plate and the curved piece of leather, and locking devices secured at their inner ends to the metallic plate, their free ends projecting without the flat leather piece and adapted to engage a breast-strap.

2. In a device of the kind described, the combination with a pad, of a metal plate within the pad, plates bearing eyes and spring-tongues at one end secured to said metal plate, and locking members hinged in said eyes and adapted to be retained in locking position by the spring-tongues, substantially as described.

JOHN R. ROACH.

Witnesses:

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