

E. L. SILL.
PNEUMATIC HORSE COLLAR.
APPLICATION FILED JAN. 22, 1903.

NO MODEL.

FIG. 1.

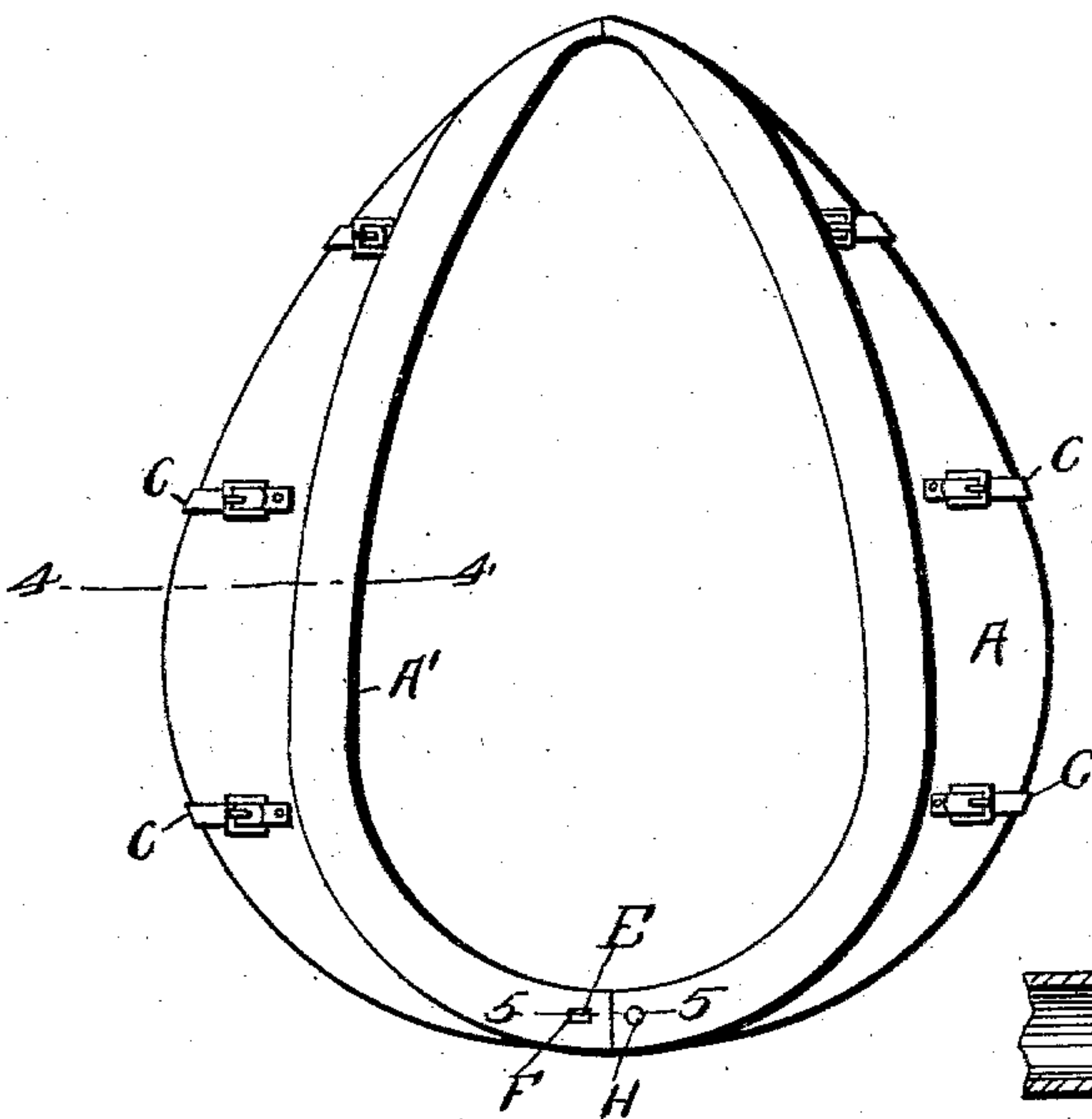


FIG. 5.

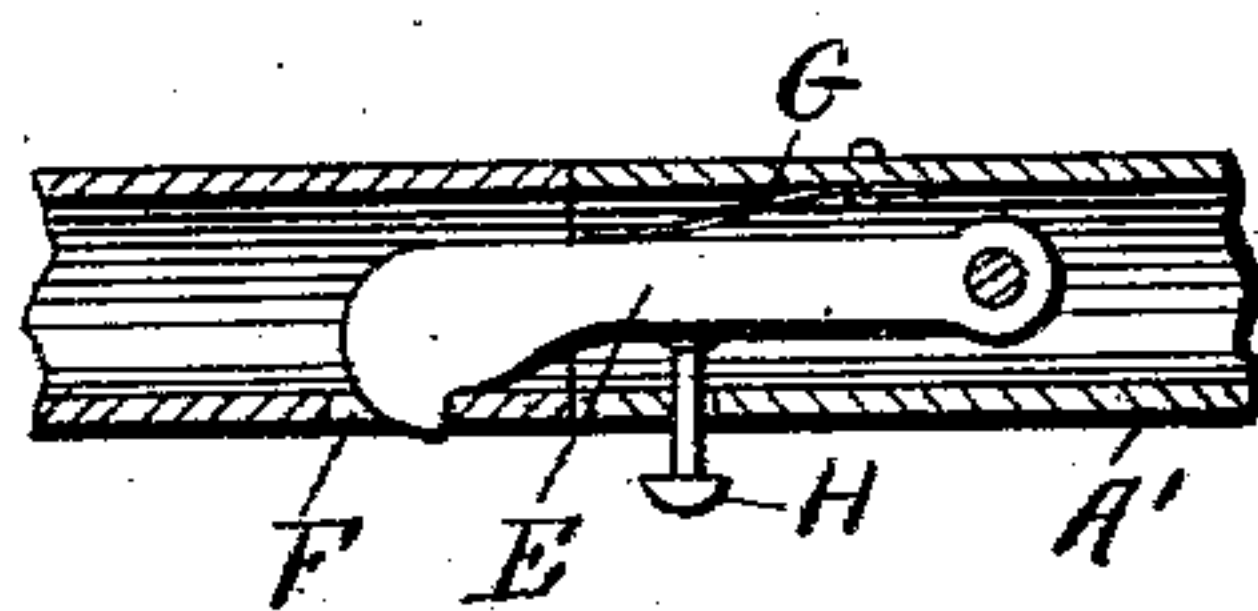


FIG. 2.

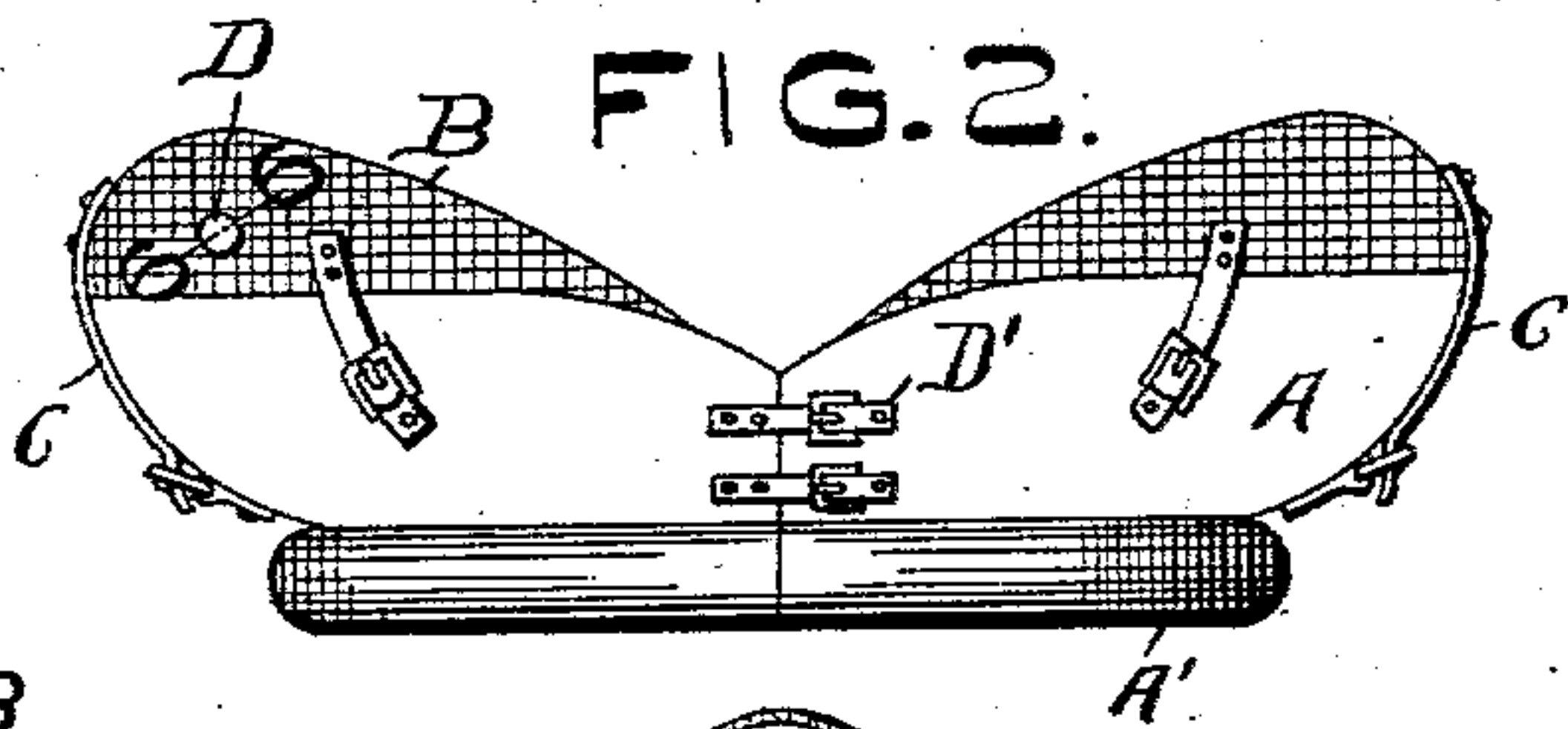


FIG. 4.

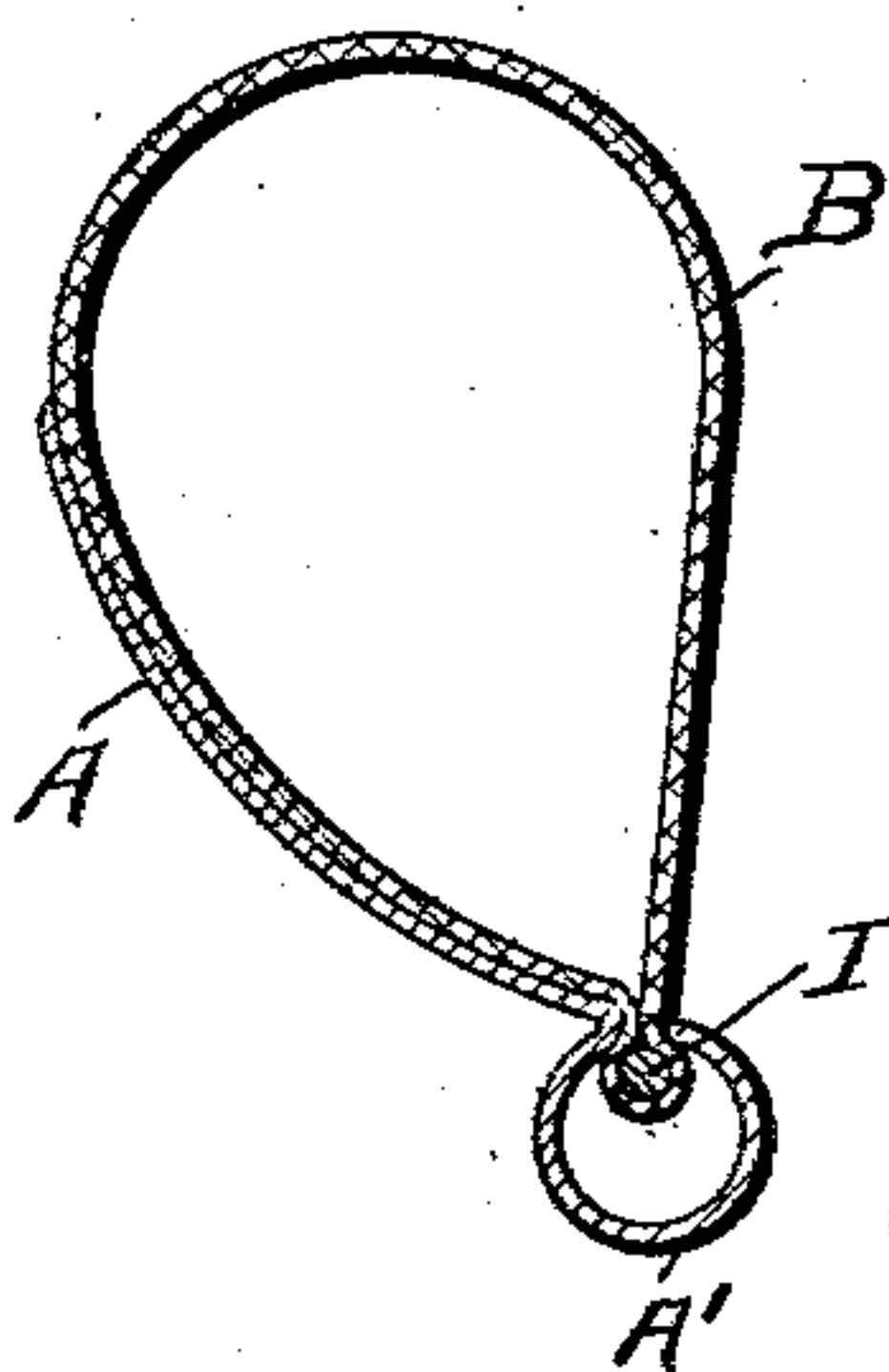


FIG. 6.

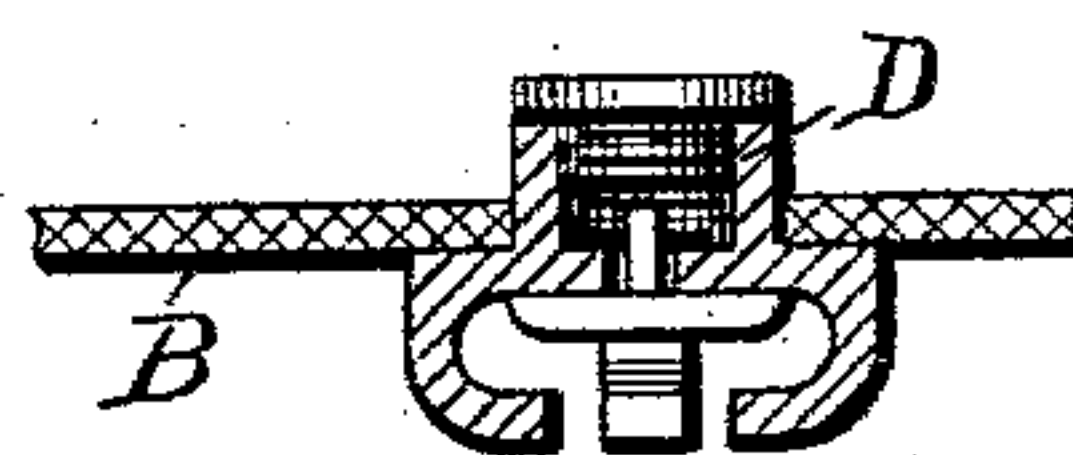
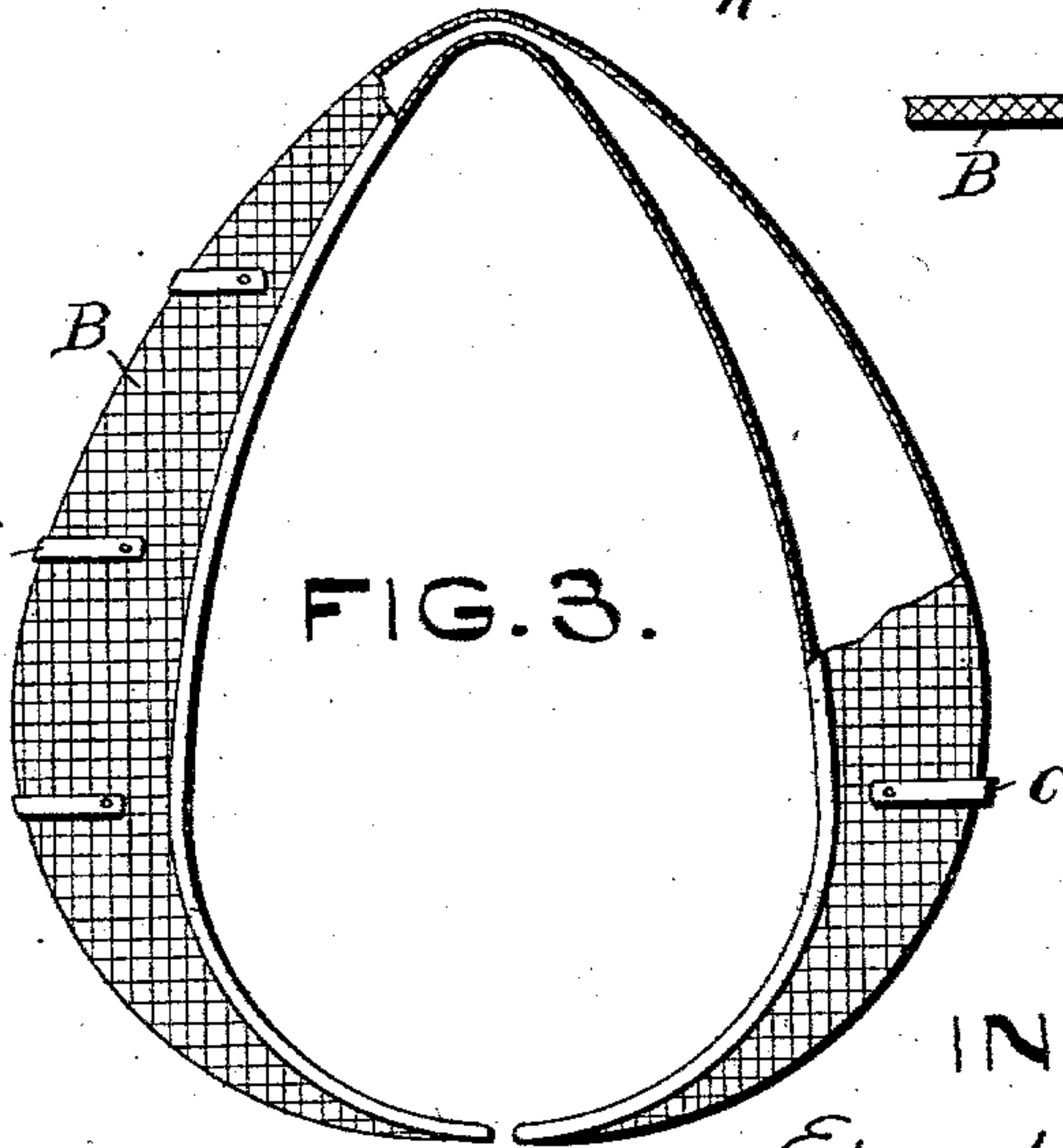


FIG. 3.



ATTEST
a. j. m. Cauley,
Attest.

INVENTOR:
Edward L. Sill
BY Hegdon & Longan
ATTYS.

UNITED STATES PATENT OFFICE.

EDWARD L. SILL, OF WOODWARD, OKLAHOMA TERRITORY.

PNEUMATIC HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 753,009, dated February 23, 1904.

Application filed January 22, 1903. Serial No. 140,095. (No model.)

To all whom it may concern:

Be it known that I, EDWARD L. SILL, of the city of Woodward, Woodward county, Territory of Oklahoma, have invented certain new and useful Improvements in Pneumatic Horse-Collars, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in pneumatic horse-collars, and has for its object to provide a collar having pneumatic pads which come in contact with the body of the collar and are supported by and mounted upon a light but rigid frame or pneumatic throughout and no frame.

In the drawings which form a part of this specification, Figure 1 is a front view of a collar embodying my invention. Fig. 2 is a bottom view of the same. Fig. 3 is a back view of the same. Fig. 4 is a sectional view of the air-chamber and the collar-frame along the line 4 4 in Fig. 1. Fig. 5 is a sectional view of the catch along the line 5 5 in Fig. 1. Fig. 6 is a sectional view of the check-valve along the line 6 6 in Fig. 2.

I have provided a frame A, which may be made of any light and rigid material, preferably steel, and which is made of two sheets, each sheet having its inner edge curled to form the tube A'. I have further provided the air-pad B, which is connected to the frame A by means of the straps C. Upon the outer side of the air-pad B, I have provided the check-valve D, which is similar in character to those used upon pneumatic tires and which

extends through the frame A and into the air-pad B, through which the air-pad may be inflated.

The collar is held together at its bottom by means of the straps D', as shown in Fig. 2. The catch E is mounted within one section of the tube A' and extends into the other sections of the tube A' and through the opening F. The catch E is normally held in position by the spring G, and when it is desired to remove the collar the catch E is depressed by means of the button H.

The air-pad B is held within the tube A by means of the rod I, as shown in section in Fig. 4.

Having fully described my invention, what I claim as new, and desire to have secured to me by the grant of Letters Patent, is—

A pneumatic horse-collar consisting of a rigid frame consisting of two sections composed of two metallic sheets, a tube formed by curling the inner edges of the metallic sheets, straps connecting the two sections at their bottoms, an air-pad mounted upon the metallic sheets and a metallic rod whereby the air-pad is held within the tube, and straps whereby the air-pad is detachably connected to the rigid frame, substantially as and for the purposes specified.

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

EDWARD L. SILL.

Witnesses:

L. A. JESSE,
LONNIE DAVIS.