

No. 817,359.

PATENTED APR. 10, 1906.

J. AHRENDT.
HORSE COLLAR.

APPLICATION FILED FEB. 7, 1906.

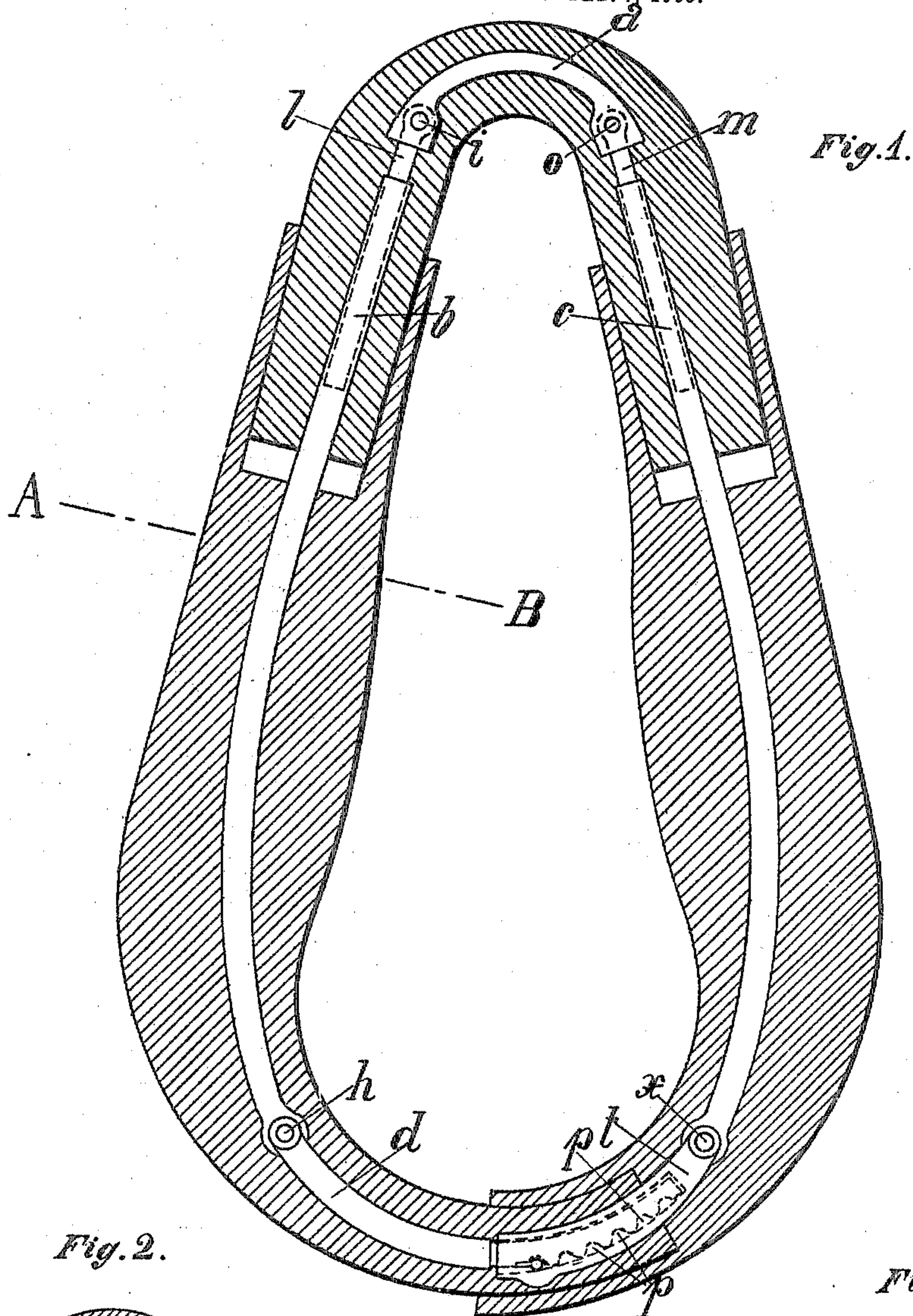


Fig. 1.

Fig. 2.

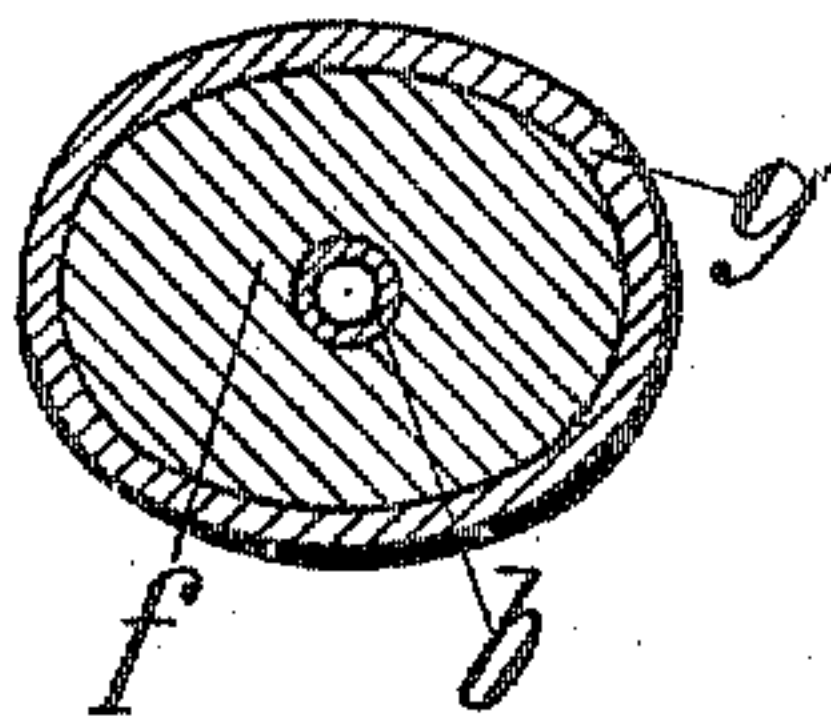
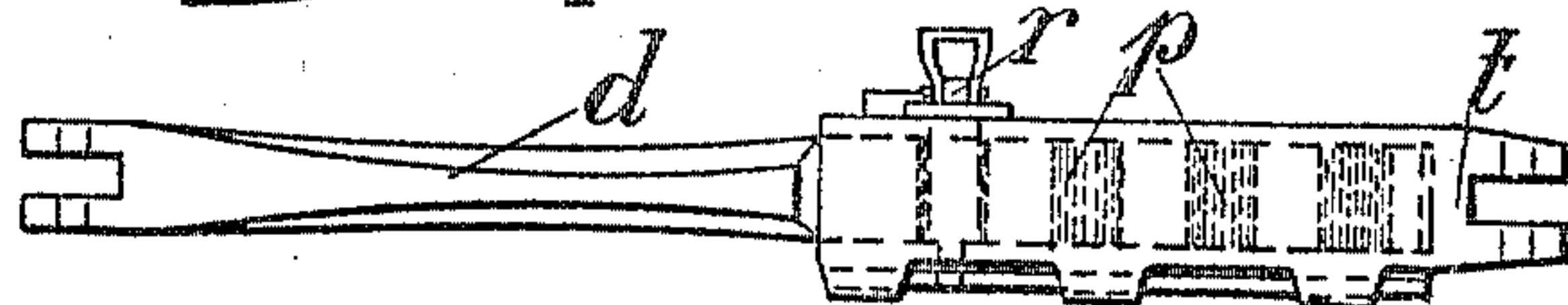


Fig. 3.



Witnesses:

J. H. Vee.
M. Pastor.

Inventor:

J. Ahrendt.

UNITED STATES PATENT OFFICE.

JOHANNES AHRENDT, OF HAMBURG, GERMANY.

HORSE-COLLAR.

No. 817,359.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed February 7, 1905. Serial No. 244,559.

To all whom it may concern:

Be it known that I, JOHANNES AHRENDT, a subject of the German Emperor, and a resident of Hamburg, Germany, have invented certain new and useful Improvements in an Improved Horse-Collar, of which the following is a specification.

The present invention relates to a horse-collar which is adjustable in length and breadth and in the case of which the collar-hoops, of Mannesmann tubes, serving for the adjustment and stiffening of the collar, lie under the leather casing of the collar in the padding. At the lower parts of the collar-hoop tubes an adjusting device, also situated under the collar-leather in the padding, is arranged by means of joints, said adjusting device being capable of enabling the width of the collar to be adjusted as desired. A collar-hoop laid in the padding is illustrated in the accompanying drawings, in which—

Figure 1 is an elevation, the contour of the collar being represented by dotted lines. Fig. 2 is a section through the side part of a collar on the line A B, Fig. 1, seen from above. Fig. 3 is a plan of the adjusting device of the collar.

The two side parts *b* and *c* of the collar-hoops are adjustable in length by means of a bow *a* with two joints *i* and *o* and two bolts *l* and *m*, which are displaceable in the tubes *b* and *c* in order that it may be possible to increase or decrease, as desired, the height of the collar. Therefore the padding *f* and leather *g*, forming part of the collar, are divided at the lines C D and C D. The breadth of the collar is increased or decreased by drawing together or drawing apart the two

parts *d* and *t*, which fit in each other, and which are likewise connected by joints *h* and *x*, respectively, with the side tubes *b* and *c*. On that account the padding *f* and leather *g* are divided at line E F in two parts, which fit in each other. Only by using the four joints or hinges *i*, *o*, *h*, and *x* is it possible to adjust the collar, as otherwise stresses arise or the separate parts would be strained. All the hame-tubes *b*, *c*, *d*, *t*, and *a* lie embedded in the collar-padding *f*, Fig. 2, which is inclosed by the collar-leather *g*, Fig. 2. The adjustment of the lower parts *d* and *t* is effected by a pin *r* being placed through one of the holes *p* after adjusting the part *d* in the part *t*, which surrounds it. The adjustment of the upper part of the collar is effected by displacing the bolts *l* and *m* in the tubes *b* and *c*, which are provided with any suitable fastening device.

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. In a horse-collar the combination of a sectional pad, sectional hames embedded therein, the pad-sections and hame-sections being mutually adjustable upon each other.

2. In a horse-collar the combination of a pad made in sections longitudinally and laterally, adjustable sectional hames embedded therein which are correspondingly adjustable.

3. In a horse-collar a sectional pad, sectional hames embedded therein, the parts being made telescoping and adjustable.

JOHANNES AHRENDT.

Witnesses:

I. A. NEES,
E. MAHLKE.