

No. 883,631.

PATENTED MAR. 31, 1908.

W. B. ESTES.
FASTENER FOR HORSE COLLARS.

APPLICATION FILED APR. 25, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

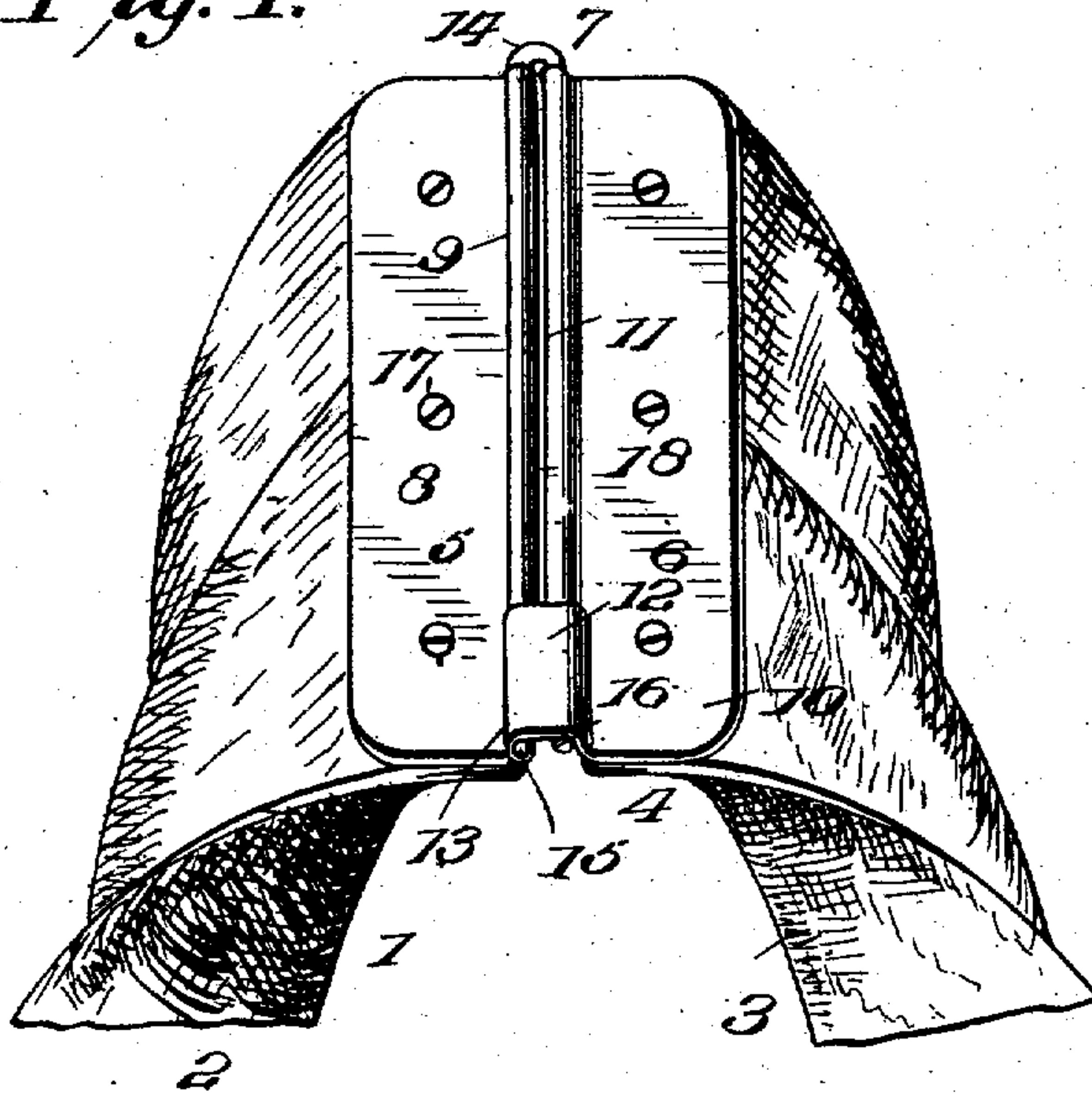
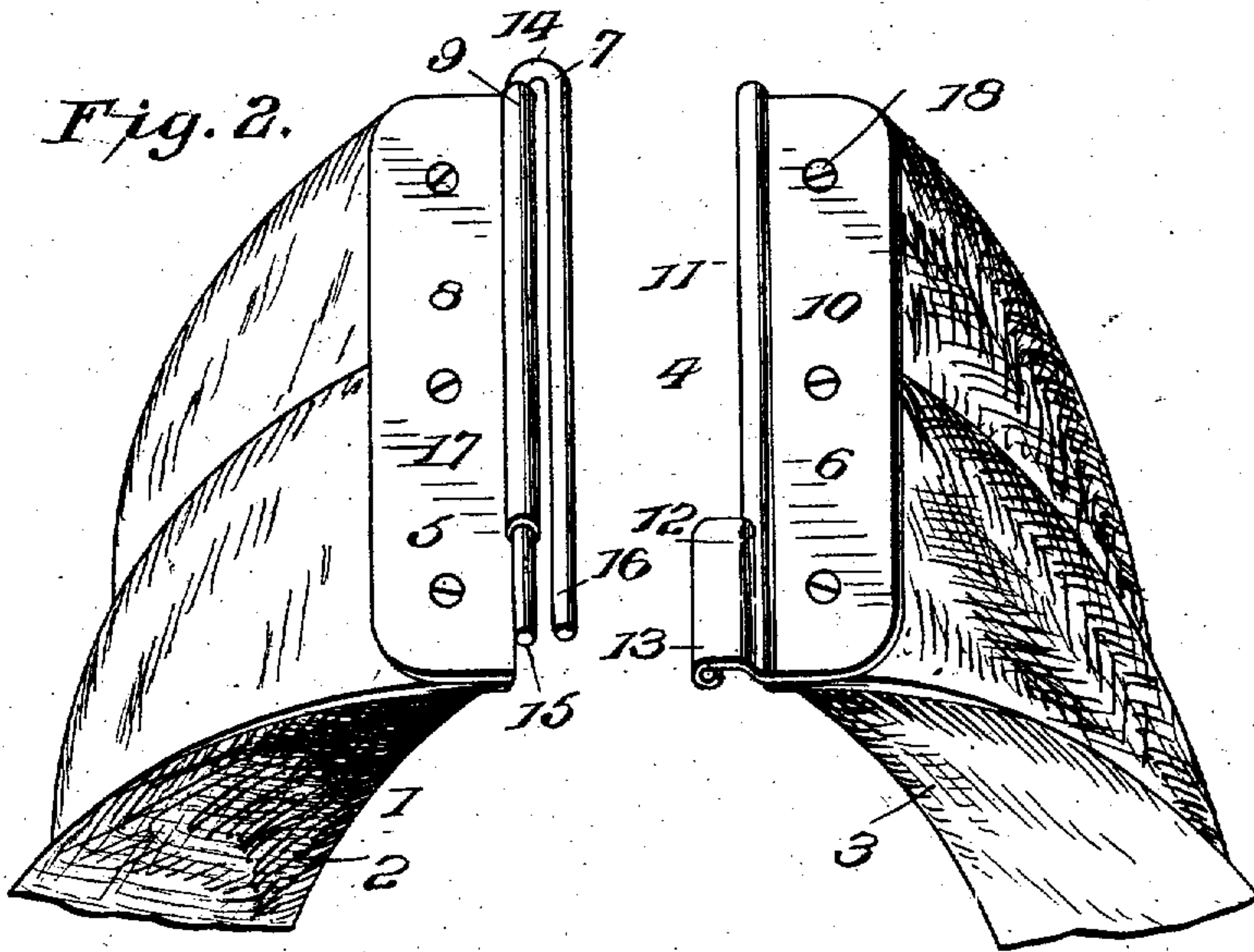


Fig. 2.



Inventor

W. B. Estes

Witnesses
Floyd R. Cornwall
Hazel A. Murray,

By

J. M. Munn

Attorney

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2 SHEETS—SHEET 2.

Fig. 3.

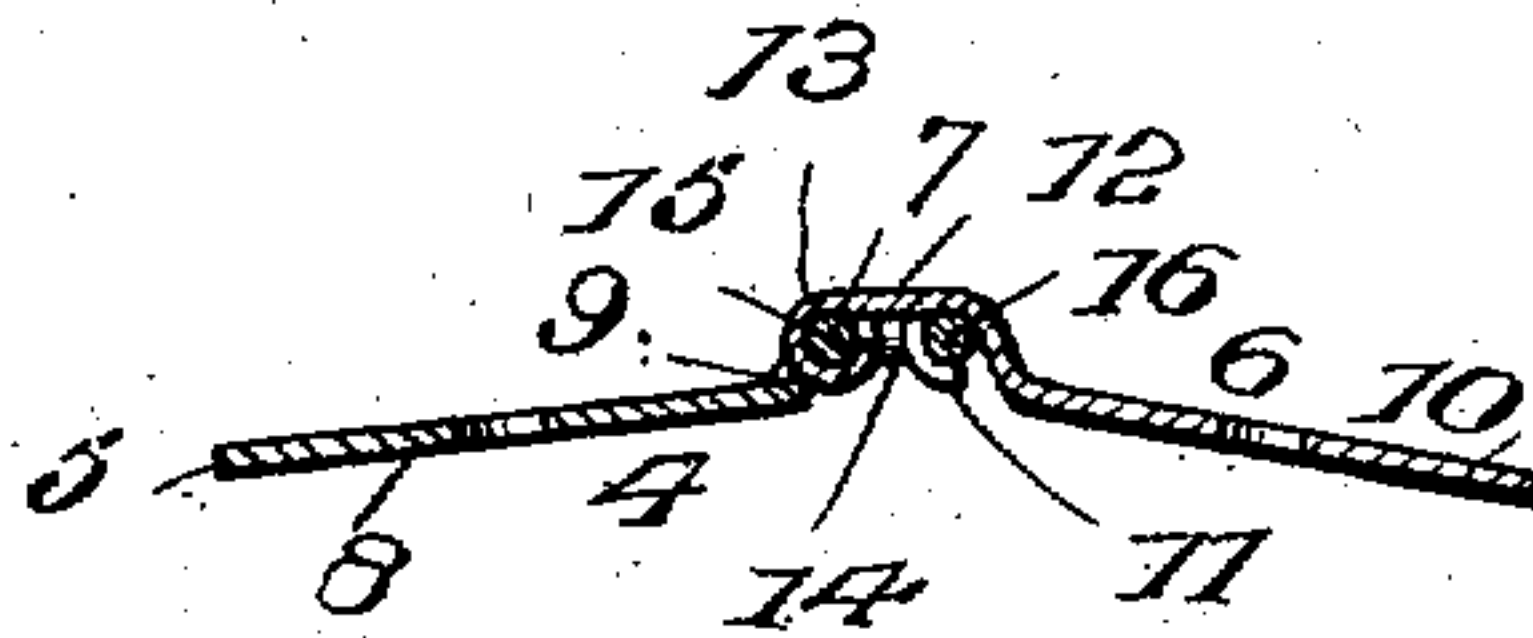


Fig. 4.

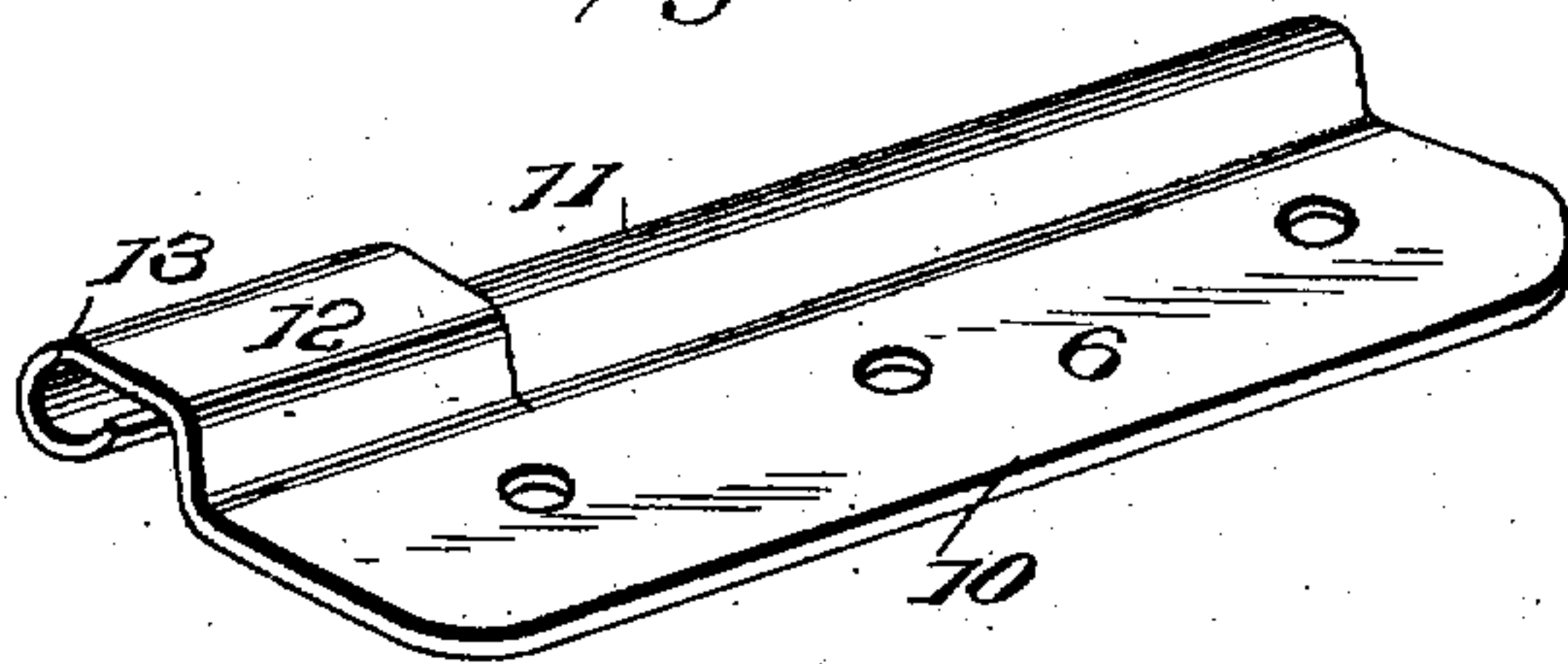


Fig. 5.

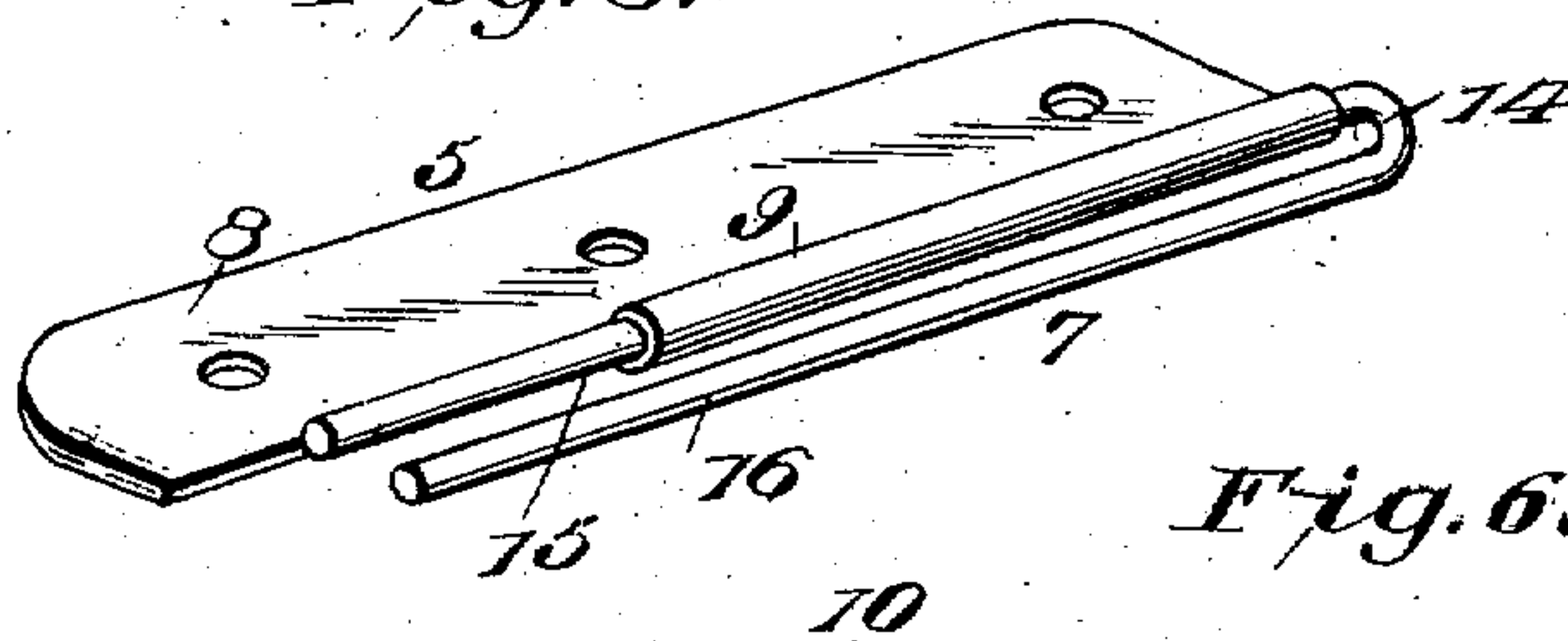
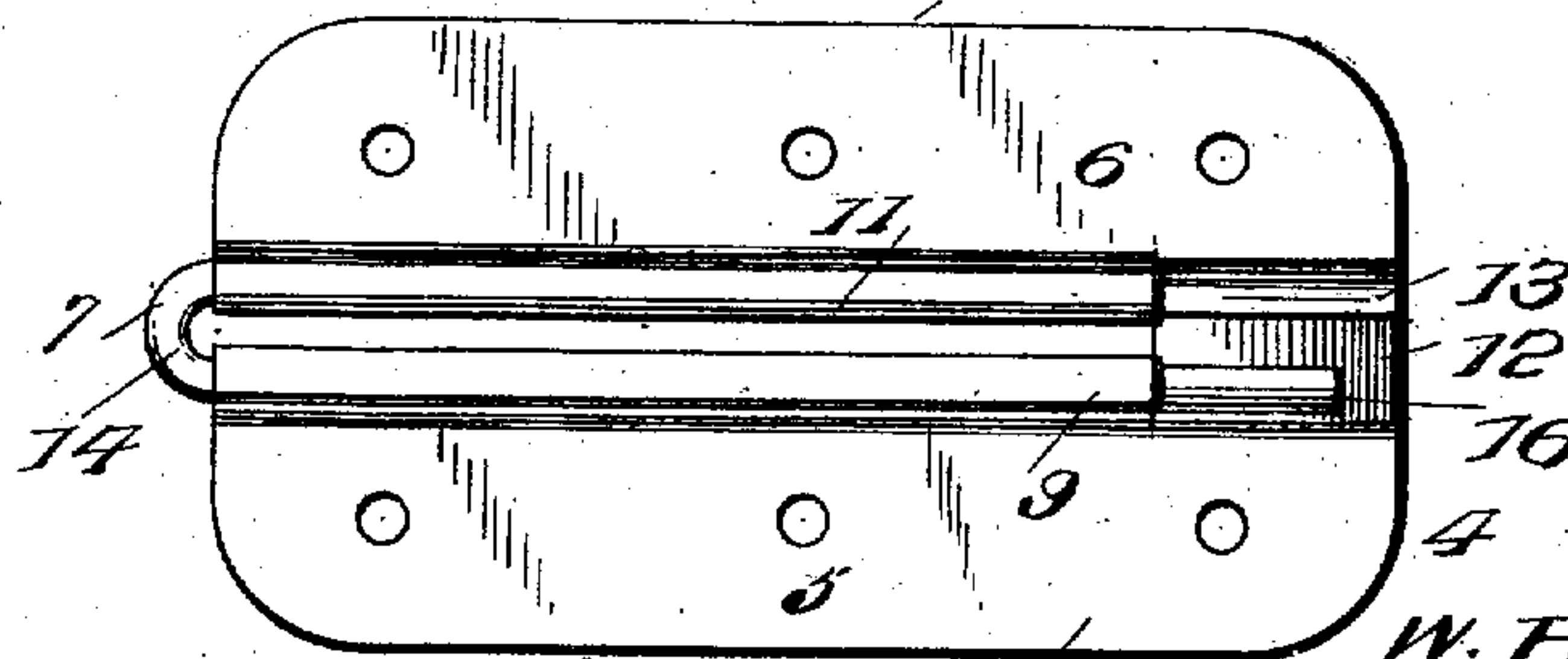


Fig. 6.



Witnesses

Floyd P. Cornwall
H. A. Murray

Inventor

W. B. Estes

By

John H. Miller
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM B. ESTES, OF ATLANTA, GEORGIA, ASSIGNOR TO UNIVERSAL HORSE COLLAR FASTENER COMPANY, OF ATLANTA, GEORGIA, A CORPORATION OF GEORGIA.

FASTENER FOR HORSE-COLLARS.

No. 883,631.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed April 25, 1907. Serial No. 370,300.

To all whom it may concern:

Be it known that I, WILLIAM B. ESTES, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Fasteners for Horse-Collars, of which the following is a specification.

This invention relates to improvements in fasteners designed primarily for horse collars.

The object of the invention is to provide a convenient, neat and inexpensive fastener, and one possessing decided durability.

The invention also relates to the specific details of improvements, and the particular arrangement of parts.

Other objects and advantages will be hereinafter referred to and particularly pointed out in the claims.

In the drawings—Figure 1 is a perspective view of a portion of a horse collar showing the application of the invention. Fig. 2 is a similar view showing the collar opened, and in position to be fastened. Fig. 3 is a vertical transverse section of the fastener. Fig. 4 is a detail perspective view of one member of the fastener. Fig. 5 is a detail perspective view of the companion member. Fig. 6 is a bottom view.

The numeral 1, indicates a horse collar of ordinary construction, comprising two sections 2 and 3. The fastener is indicated at 4, and it consists of two members 5 and 6, connected by a U-shaped pintle 7. The member 5, is formed with a base 8, and a bead 9, the latter terminating a short distance from the end of the base. The member 6, comprises a base 10, having a bead 11, which is of approximately the length of the bead 9, on the member 5, and extending from the bead 11, an extension 12, which is crimped to form an interlocking bead 13, which is equal in length to the distance between the termination of the bead 9, and the end of the base portion 8, of member 5, and is in alignment with the said bead 9. The members 5 and 6, are connected by the U-shaped pintle 7, which is formed of a single piece and bent upon itself as at 14, forming legs 15 and 16, adapted to register with the beads of the members 5 and 6, when the fastener is in use.

The member 5, is fastened to the section 2, of the collar by rivets 17, and the section 8, is fastened to the section 3, of said collar by

rivets 18. The beads are formed of spring metal, and their sides next the base portions are open, to permit of the introduction of the legs of the pintle and thereby frictionally hold them when the parts are assembled.

In operation, leg 15, of the U-shaped pintle is passed through the bead 9, and the latter is of such proportion relative to the diameter of its cooperating pintle leg as to frictionally engage it and hold it securely in place. In fastening the collar the sections thereof are slightly spread apart to bring the leg 16, of the pintle into alinement with the bead 11, which also positions the crimped end 13, in alinement with the leg 15, of said pintle, and upon a slight pressure of the sections toward each other, the leg 16, is forced into engagement with the bead 11, and the end of the leg 15, into engagement with the crimped portion 13. The interlocking crimp or bead 13, as well as the bead 9, are of such proportions relative to the diameter of the legs of the pintle as to bind, and when the parts are forced together as described, the collar sections are securely held together.

The invention is extremely simple and by use of rivets, and because of the construction of the fastener, an inexpensive device is provided, at the same time a neat and attractive ornament is added to the collar.

What I claim is—

1. A collar fastener comprising two parts, each of which is formed with a spring bead, and a pintle formed with two legs shaped to engage said beads, said pintle being open and free at one end to permit of the withdrawal of the pintle to separate the parts, and the legs being held in engagement with the beads by frictional contact therewith.

2. A collar fastener comprising two parts, one of which is provided with a bead which terminates short of the end of said member, the other member provided with a bead and an extension which is also provided with a bead and a pintle adapted to register with the beads of both members.

3. A collar fastener comprising a pair of members, each of which is provided with a bead having its inner side open and formed of spring metal, and a pintle having two legs which engage the beads, the spring of the beads fastening the members to the pintle legs.

4. A fastener for a horse collar comprising a

pair of members, one of which is formed with
a bead terminating short of the end of said
member and being open on one side and
formed of spring metal, the other said mem-
5 ber having a bead formed of spring metal
which is open on one side, and an extension
from said member which is also formed with
a bead which is open on one side, and formed
of spring metal, and a U-shaped pintle, the

legs of which engage all of said beads and are 10
frictionally held therein.

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

WILLIAM B. ESTES.

Witnesses:

J. S. JAMES,

J. M. HEWITT.