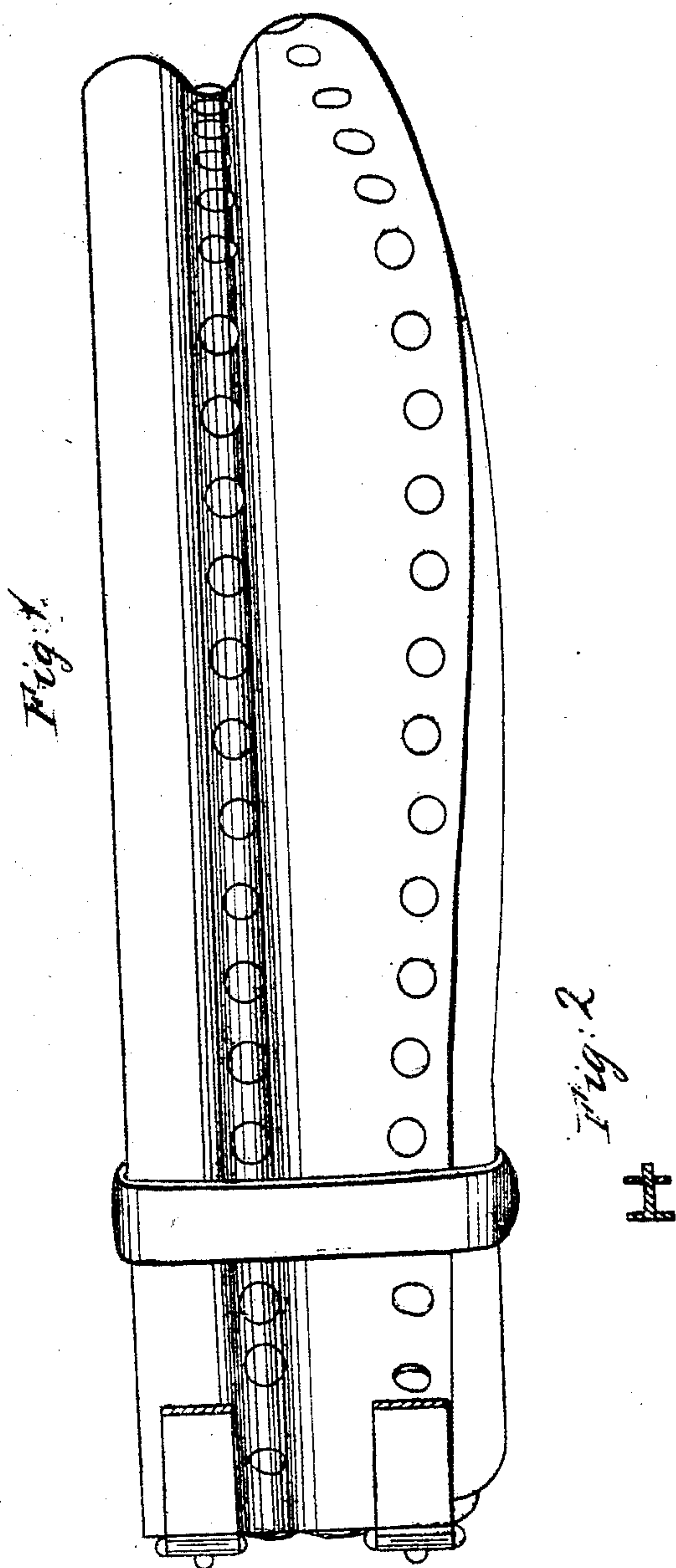


G. F. Parsons.

Horse Collar.

N^o 45267

Patented Nov. 29. 1864.



J. Smith
L. Jones

Geo. F. Parsons
by Atty Thos. P. Everett

UNITED STATES PATENT OFFICE.

GEORGE F. PARSONS, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. 45,267, dated November 29, 1864.

To all whom it may concern:

Be it known that I, GEORGE F. PARSONS, of the city of Baltimore, in the State of Maryland, have invented a certain new and useful Improvement in Horse-Collars; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters and marks therein, said drawings forming part of this specification.

In the construction of collars for horses, mules, and such other animals as may be used for drawing vehicles, burdens, &c., two or more thicknesses of leather, or such other material as may be used for the purpose, have heretofore been secured together by sewing or stitching. Under use such sewing or stitching is very apt to yield, and the collar thereby or therefrom will frequently need to be repaired. If a part of the collar be made of india-rubber or gutta-percha, or elastic cloth, or hemp cloth, it is very difficult uniting the different thicknesses or layers by sewing or stitching. In order to obviate the difficulties and evils here named in making such collars, I use for the purpose of uniting the different layers or thicknesses of the leather or other material metallic rivets, making the holes through the leather or other fabric for the putting in of the rivets, and using a washer and clinching or securing the rivets in any

known way and by the usual or any known means or devices.

By Figure 1 of the drawings is shown a horse-collar constructed in this way, Fig. 2 showing by vertical section the usual metal rivet and washer.

The rivets may be made of any of the metals or alloys which may be deemed suitable. A collar of any form or structure may be thus made, and when so made is not as liable to fracture or to break as when made by stitching or sewing.

The heads of the rivets may be gilded or plated or coated with metal, so as to correspond with the harness-mountings, and thus the collar be ornamented and be made to add to the beauty and finish of the harness.

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

The improved article of manufacture—the collar for horses, mules, &c.—constructed of leather alone, of leather and the other materials or fabrics named, or of any suitable material, the different layers of the leather or other material being secured to each other by metallic rivets, as herein recited.

This specification signed this 11th day of October, 1864.

Witnesses: G. F. PARSONS.

THOS. T. EVERETT,
JOHN S. HOLLINGSHEAD.