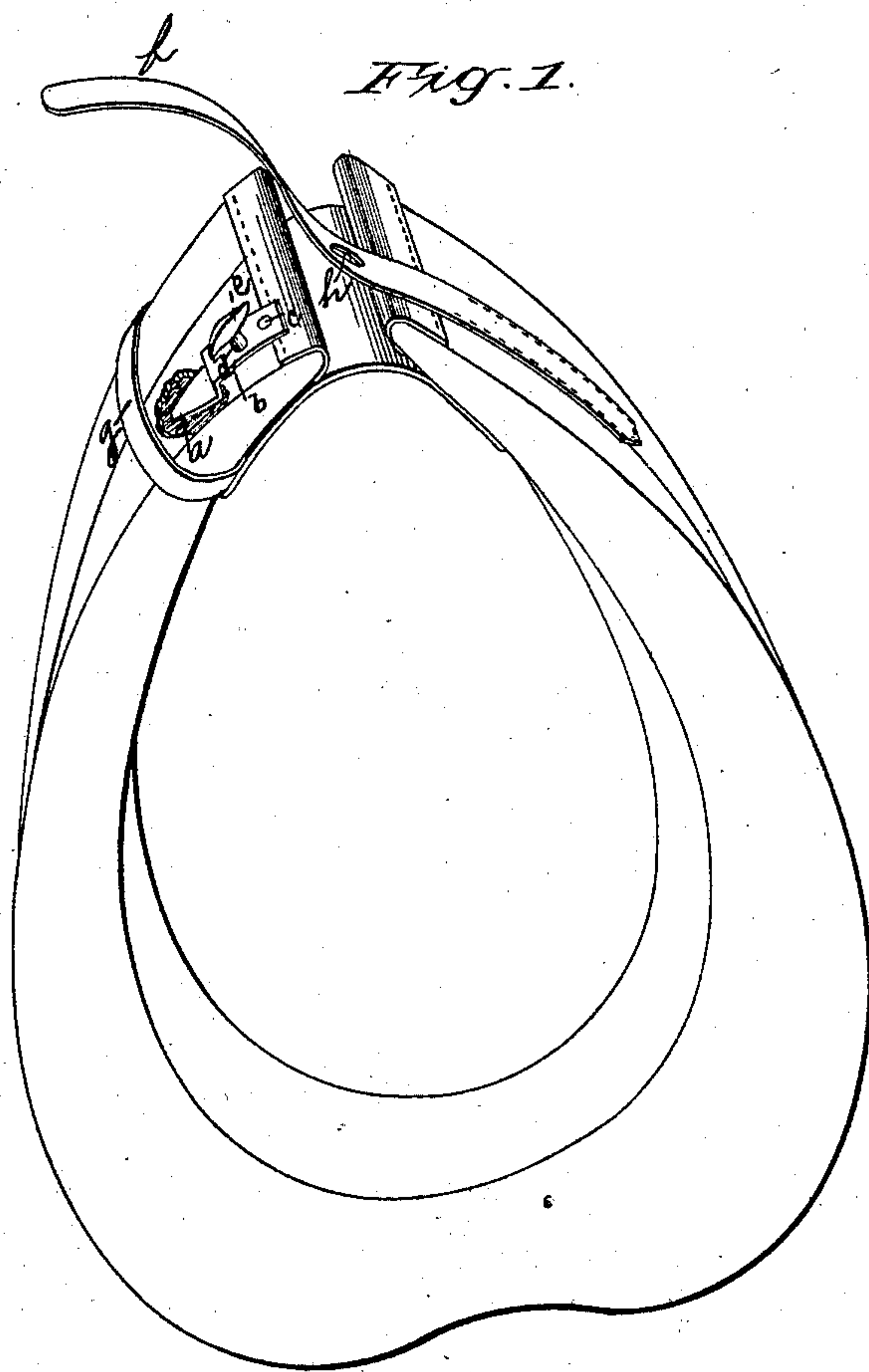


(No Model.)

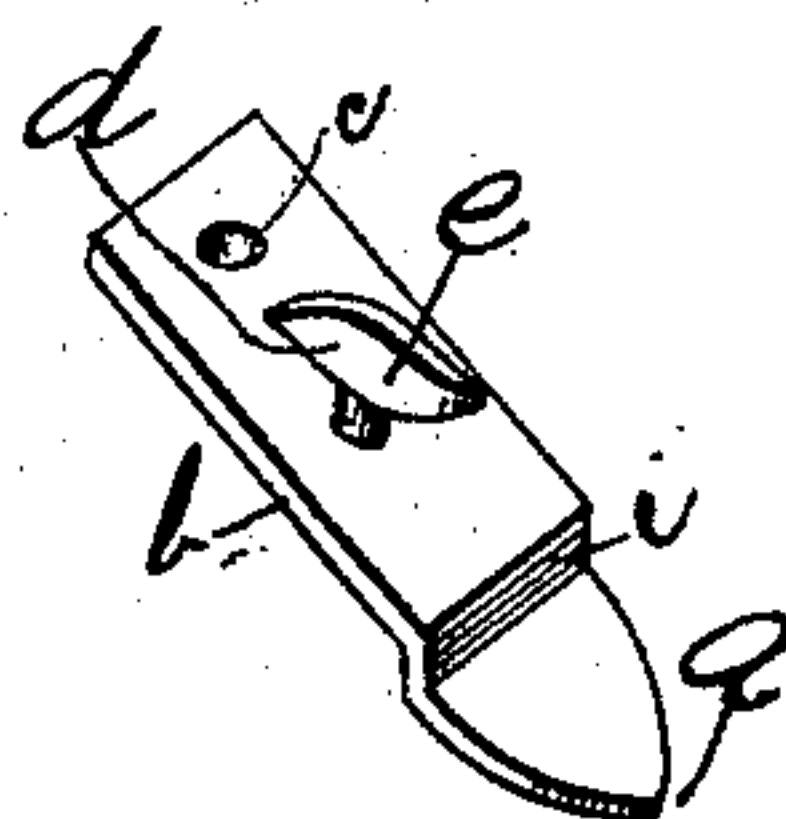
W. L. FRIES.  
HORSE COLLAR FASTENER.

No. 290,673.

Patented Dec. 25, 1883.



*Fig. 2.*



Witnesses:

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Inventor:

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Attorney

# UNITED STATES PATENT OFFICE.

WILLIAM L. FRIES, OF MILTON, PENNSYLVANIA.

## HORSE-COLLAR FASTENER.

SPECIFICATION forming part of Letters Patent No. 290,673, dated December 25, 1883.

Application filed October 3, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM L. FRIES, a citizen of the United States, residing at Milton, in the county of Northumberland and State of Pennsylvania, have invented a new and useful Fastening Device for Horse-Collars, of which the following is a specification.

My invention relates to horse-collar fasteners; and the objects of my improvements are, first, to produce a device capable of readily fastening the ends of the collar; second, to provide by this means for having approximately a flush surface throughout the length of the fastener, except the projecting lug; third, to dispense with a buckle and the tedious method of operating it; and, fourth, to attain these ends with simplicity of construction. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of a horse-collar having my invention in position; and Fig. 2 is a detail view of the fastener.

Like letters refer to corresponding parts.

*a* is the inner end of the fastener, which is preferably shaped parabolically to facilitate insertion under the leather, as shown in the sectioned portion of Fig. 1.

*b* represents the entire plate, which constitutes the fastening device.

*c* is a hole in the upper end of the plate or fastener, by which that end is riveted to the leather.

*d* is a lug or projection, which may either be rigid or have a swivel-bearing in the plate, terminating in a round, oblong, or other shaped head, *e*, attached thereto or integral therewith.

*f* is a strap, attached to the other side of the collar, in which a slotted perforation is cut.

*g* is a band or strap transversely encircling the collar under which the end of the strap *f* is placed after the slot *h* therein has engaged the lug *d*.

*i* represents the bent portion of the plate *b*, which permits of having the end of the strap *f*, when fastened, approximately flush with the upper surface of the plate, the strap naturally following its contour.

The operation is as follows: The sharp or parabolic end *a* is inserted or forced into the leather, which holds that end of the plate. A rivet is then passed through the hole *c* and clinched. The strap *g* is placed in position. The device is then ready for use, and the slot *h* in the strap *f* may be passed over the head *e* of the lug *d*. If this lug or its head is in a swivel-bearing, the head may then be turned transversely to the strap; but this is not necessary, as the rigid lug and head shown on the drawings will suffice to retain the strap *f*.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

In horse-collar fasteners, the combination, with a strap, *f*, attached to one end of the collar, having a slotted perforation, *h*, therein, and a strap, *g*, encircling the collar transversely near the other end, of a plate, *b*, bent to form two parallel planes in different altitudes joined by a surface, *i*, perpendicular to both, the lower plane terminating in a point, *a*, the upper one having a rivet-hole, *c*, near its end, and a headed lug, *d*, inserted in its center, for the purpose herein described.

WM. L. FRIES.

Witnesses:

M. FRIES,  
H. E. ANGSTADT.