

(No Model.)

C. D. HALDEMAN.

HORSE TAIL TIE.

No. 388,670.

Patented Aug. 28, 1888.

Fig. 1

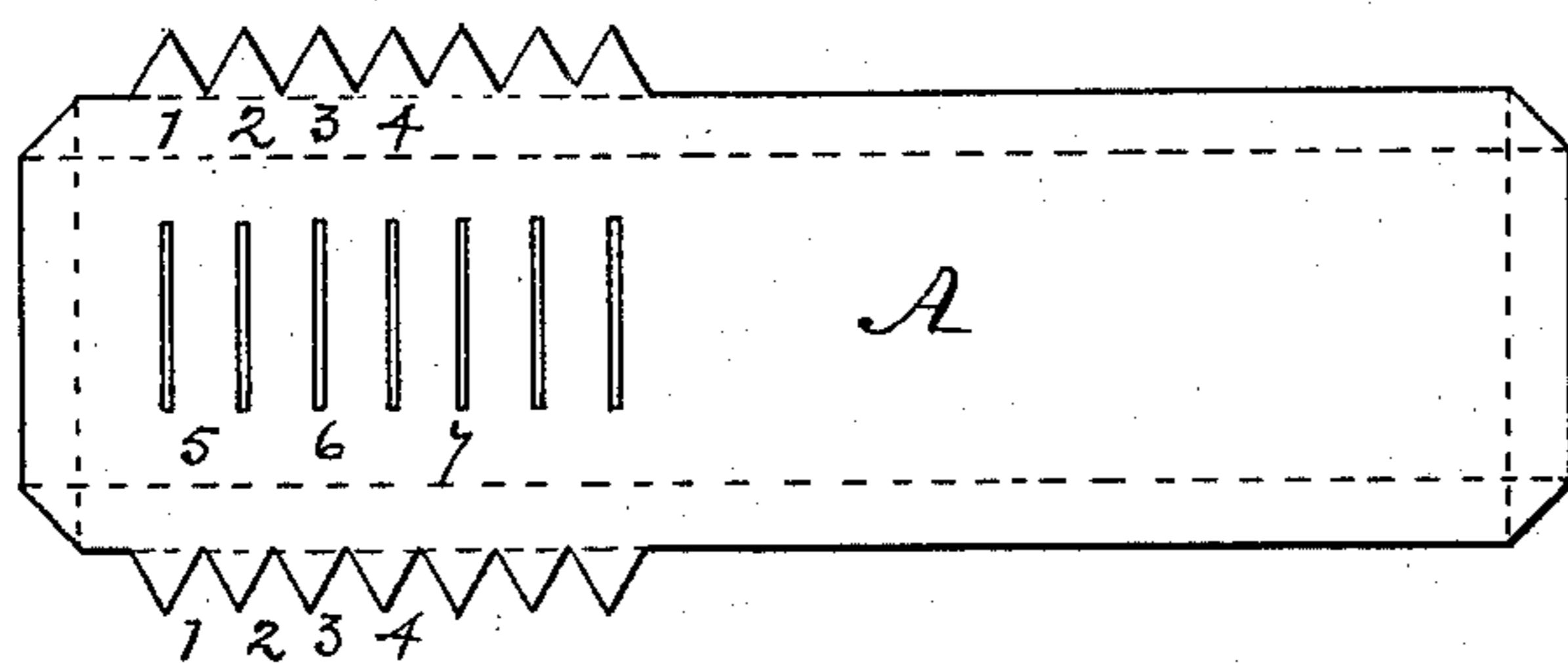


Fig. 2



Fig. 3

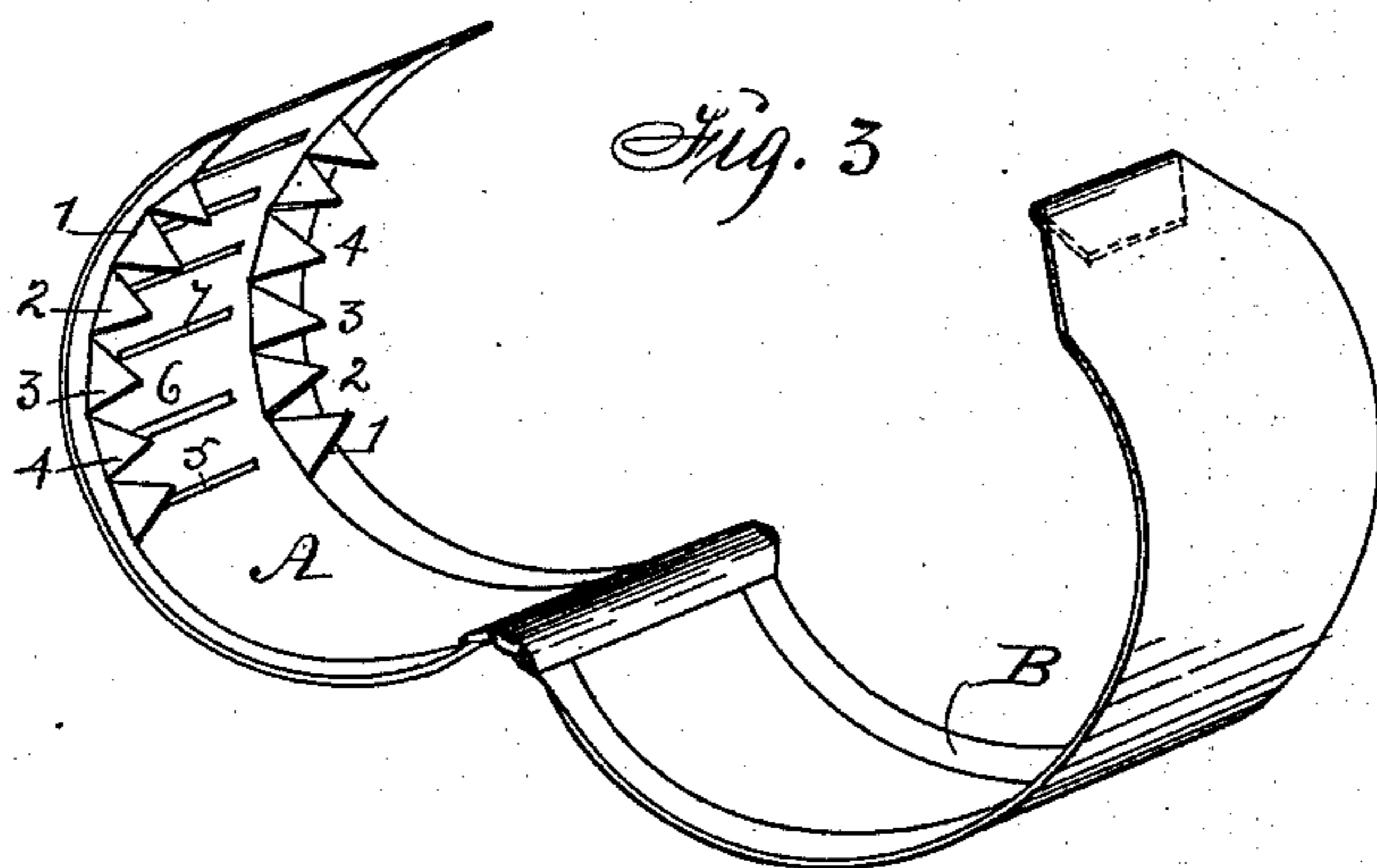
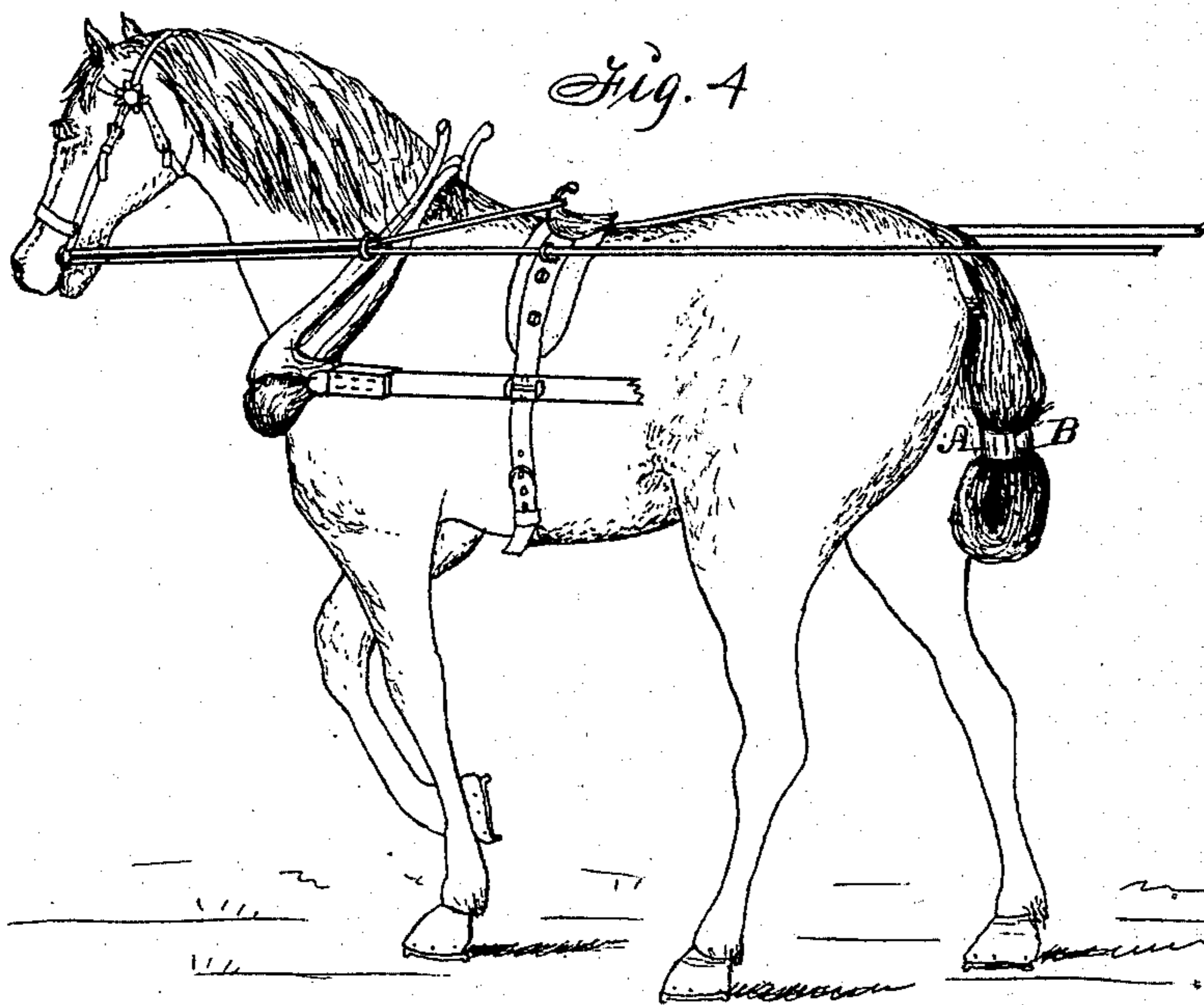


Fig. 4



Witnesses:

A. H. Orwig.  
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Inventor:

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By Thomas G. Orwig, Attorney.

# UNITED STATES PATENT OFFICE.

CHARLES D. HALDEMAN, OF DES MOINES, IOWA, ASSIGNOR OF ONE-HALF  
TO CLARENCE B. JONES, OF SAME PLACE.

## HORSE-TAIL TIE.

SPECIFICATION forming part of Letters Patent No. 388,670, dated August 28, 1888.

Application filed January 23, 1888. Serial No. 261,669. (No model.)

### *To all whom it may concern:*

Be it known that I, CHARLES D. HALDEMAN, a citizen of the United States of America, and a resident of Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Horse-Tail Tie, of which the following is a specification.

My object is to provide a device specially adapted for fastening the ends of the hair of a horse's tail when they are doubled backward and upward, as required, to keep them clean when traveling over muddy roads.

Heretofore horse-tails have been braided and twisted and doubled upward and tied by means of cords or knotted fast in various ways. A crimped strip of sheet metal has been combined with a leather strap and used as a detachable tie, and a metal band provided with projections and fastening devices at its ends has been formed complete in one piece and applied direct to serve as a tie.

My invention consists in the construction of an elastic tie, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in such a manner that the tie can be readily attached to a horse's tail to fasten the elevated ends of the hair, and to ornament and mark the animal, and also readily detached whenever desired.

Figure 1 of the accompanying drawings shows the outline of a blank cut from metal plate, preferably brass, from which a toothed section of my tie is formed. Fig. 2 is a transverse sectional view of the toothed part after it is finished and the teeth projected inward and at right angles to the plate. Fig. 3 is a perspective view of the complete device, showing it open and ready for use. Fig. 4 shows the tie applied as required for practical use.

A is a sheet-metal blank, made of elastic plate metal by means of a die and press. It has series of integral teeth 1 2 3 4 on its opposite edges. Dotted lines in Fig. 1 indicate where the raw edges are to be doubled inward, as required, to produce finished edges, and a semicircular band, as shown in Figs. 2 and 3.

5 6 7 represent a series of transverse parallel slots between the series of teeth.

B is a plain mating section of my tie, made of corresponding material. It is provided

with an integral hook at one end and adapted to engage the slots in the toothed section when the two sections are hinged together at their inner end, as shown in Fig. 3. In the practical use of my elastic tie thus constructed I plait or twist the hair of a horse-tail together in a common way and then double the end upward and place the toothed section of the tie on the end, so as to bite it fast, and then clasp the plain section around the tail and let it overlap the toothed section, and then press the tie so as to clamp the hair to the solid or flesh portion of the tail and to allow the hook on the end of the one section to enter one of the slots in the toothed section, so that when hand pressure is relaxed the spring force in the metal will retain the hook in its place and the tie fastened, as required, to keep the hair doubled and elevated and protected from dirt.

To mark an animal by means of the tie, I fix a name or mark on one of the sections of the tie by means of a die and press, or in any suitable way.

To untie my device I simply press the overlapping mating sections together until the hook can escape from the slot in which it is retained by the outward pressure of the hair and the elastic force of the metal.

I claim as my invention—

1. A blank for making a horse-tail tie, consisting of a metal plate having scallops on its edges and transverse parallel slots, substantially as shown and described, for the purpose stated.

2. A horse-tail tie consisting of a semicircular elastic metal band having series of teeth extending inward on its opposite sides at one end portion, and parallel slots extending across the band between the series of teeth, and a plain mating semicircular band hinged to the toothed band and provided with a hook on its free end adapted to engage the said slots in the toothed section, substantially as shown and described.

CHARLES D. HALDEMAN.

Witnesses:

MARTIN P. SMITH,

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