

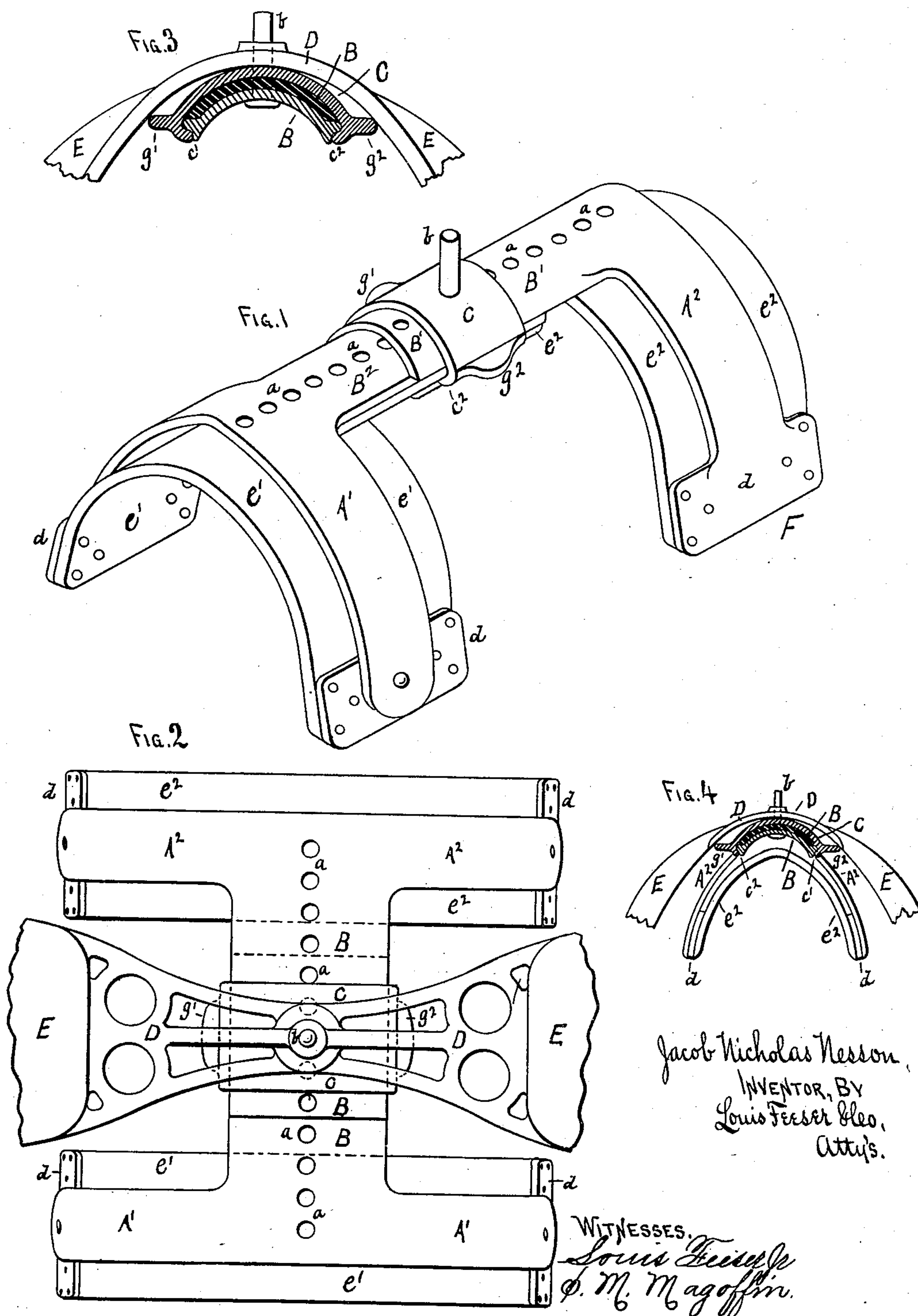
(No Model.)

J. N. NESSON.

COLLAR PAD.

No. 254,499.

Patented Mar. 7, 1882.



Jacob Nicholas Nesson,
INVENTOR, BY
Louis Fessler & Co.,
Attys.

WITNESSES,
Louis Fessler
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UNITED STATES PATENT OFFICE.

JACOB N. NESSON, OF AYR, MINNESOTA.

COLLAR-PAD.

SPECIFICATION forming part of Letters Patent No. 254,499, dated March 7, 1882.

Application filed August 6, 1881. (No model.)

To all whom it may concern :

Be it known that I, JACOB NICHOLAS NESSON, a subject of the Emperor of Germany, and a resident of Ayr, in the county of Goodhue and State of Minnesota, have made certain new and useful Improvements in Adjustable Collar-Pads for Horses, &c., of which the following is a specification.

This invention relates to horse-collars; and it consists in constructing the pads so that they may be adjusted to fit any sized horse or any varying shape of neck, &c., as hereinafter set forth.

This invention is an improvement on my patent of February 1, 1881, No. 237,122, and its objects are attained by the use of the mechanism illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of the adjustable pads with the swivel collar-cap removed. Fig. 2 is a plan view of the same with a portion of the collar and swivel-cap in place. Fig. 3 is a cross-section of the adjustable connecting-bar and a portion of the swivel-cap. Fig. 4 is a cross-section, reduced, of the cap and pads and a portion of the collar.

A' A² are two curved plates, provided with convex bars B' B², one adapted to slide over the other, and provided with perforations *a*, through which a pin, *b*, is inserted, so that the curved plates may be set at any distance apart by adjusting the pin in these holes. C is another smaller curved plate, adapted to inclasp the bars B' B², as shown, and through which the pin *b* also passes when holding the bars B' B² together. This pin projects up above the plate C, and forms a pivot over which the swivel-cap D, to which the collar E is attached, rests, as in my patent above referred to. The plate C is free to slide along the bars B' B², but will be bent in beneath the lower bar, B², at *c'* c², so that it cannot be lifted upward. By this means the plate C and pin *b* may be set at a point midway between the plates A' A², to bring the collar E to the right position upon the horse.

Upon the lower ends of the plates A' A² smaller and wider plates *d* are pivoted, and con-

nected together by wide leather straps *e'* e². These straps are shorter than the curved plates A' A². Hence the straps only will touch the neck of the horse and prevent the metal from coming in contact therewith. The straps, being flexible, will conform to the shape of the neck of any horse, no matter what size the horse may be or how the shapes of the necks may vary, and by adjusting the plates A' A² nearer to or farther from each other the straps may be adapted to any sized horse in a horizontal direction.

Small curved lips *g'* g² will be cast upon the sides of the lower edges of the plate C, upon which the cap D will turn, and thus prevent the whole strain coming upon the pin *b*, as well as to hold the collar more steadily.

The small end plates, *d*, may be attached rigidly to or form part of the plates A' A² under some circumstances, (see F, Fig. 1;) but usually a better effect will be produced by swiveling them, as shown.

Slots and bolts may be substituted for the perforations *a*, and the pin *b* simply used as a pivot for the cap D, if desired; or the bars B' B² may be secured in any other desired manner.

What I claim as new is—

1. The combination, with a horse-collar, of the adjustable auxiliary pads A' A² and plate C, clasping the pads, substantially as set forth.

2. The combination and arrangement of the pads A' A², bars B' B², provided with perforations *a* or other suitable means for adjusting them, and plate C, pin *b*, and swivel-cap D, substantially as set forth.

3. The combination and arrangement of the plates A' A², straps *e'* e², and connecting-bars B' B², substantially as set forth.

4. The combination and arrangement of the curved plates A' A², straps *e'* e², and swivel-plates *d*, substantially as set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JACOB NICHOLAS NESSON.

Witnesses:

C. N. WOODWARD,
LOUIS FEESER, Sr.