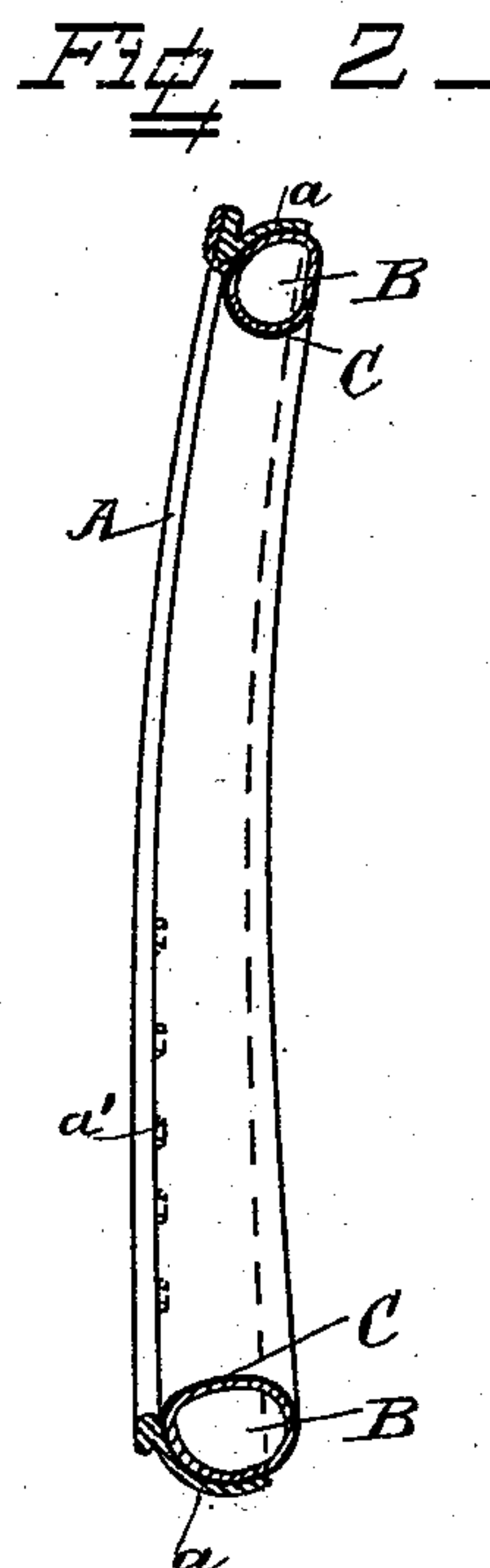
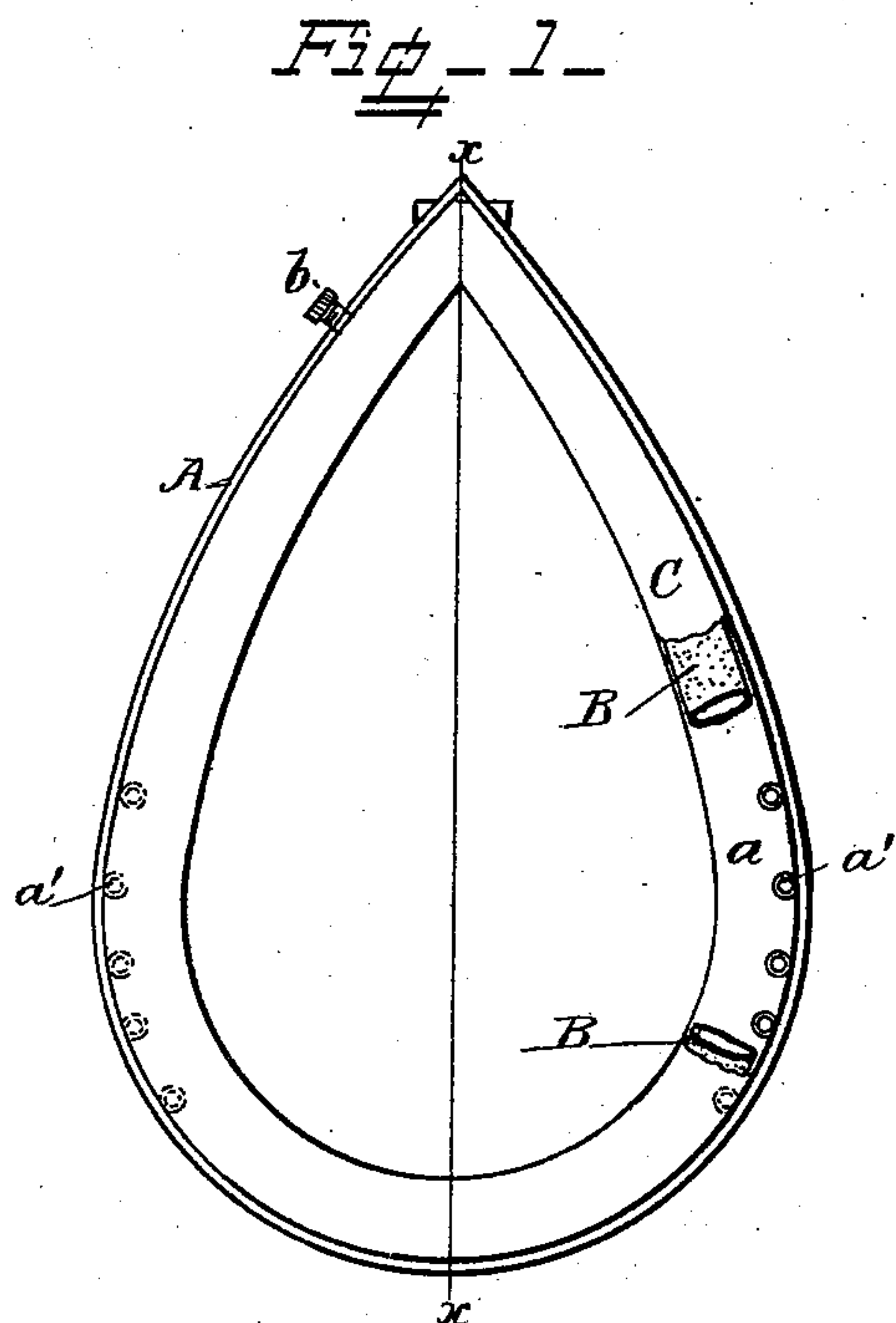


(No Model.)

H. W. LOADS.
HORSE COLLAR.

No. 376,669.

Patented Jan. 17, 1888.



Witnesses

R. D. Minor.
S. W. Cooke.

Inventor

H. W. Loads.

By his Attorney,

Herbert W. Jenner.

UNITED STATES PATENT OFFICE.

HERBERT WALTER LOADS, OF NORWICH, COUNTY OF NORWICH, ENGLAND.

HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 376,669, dated January 17, 1888.

Application filed August 6, 1887. Serial No. 246,356. (No model.)

To all whom it may concern:

Be it known that I, HERBERT WALTER LOADS, a citizen of Great Britain, residing at Norwich, England, have invented certain new and useful Improvements in Horse-Collars, of which the following is a specification.

This invention relates to horse-collars; and it consists in the novel construction and combination of the parts, as hereinafter fully described and claimed.

In the drawings, Figure 1 is a rear view of the collar with a portion of the pad removed; and Fig. 2 is a vertical section through the same, taken on line *xx* in Fig. 1.

A is the front plate, which is formed of sheet metal suitably shaped into the form of the fore and after wales of a horse-collar. The back of the plate A is concave, forming the recess *a*, having the small metallic eyes *a'* secured to it at suitable points.

B is an air-tight elastic pad, provided with the screw-nipple *b*, through which it may be inflated.

C is an outer covering of soft pliable leather, which protects the pad from injury. The covered pad corresponds in form with the recess in the front plate, and is removably connected

thereto by stitching the outer cover to the eyes *a'*. I sometimes prefer to cover the pad with a vulcanized solution, which when dry is equally as advantageous as leather. I then fasten the pad into the recess with elastic glue, dispensing with the eyes *a'*; but in either case the pad may be removed with facility and repaired or renewed as required.

What I claim is—

1. In a horse-collar, the combination, with the metallic front plate having a concave recessed back, of a separate air-inflated pad, a soft cover for the pad, and the fastenings whereby the said covered pad is removably secured within the said concave recess, substantially as set forth.

2. In a horse-collar, the combination, with a metallic front plate having a concave recessed back and provided with eyes *a'*, of a separate air-inflated pad, and a soft cover for the said pad stitched to the said eyes, whereby the said pad is removably attached to the said front plate, substantially as set forth.

HERBERT WALTER LOADS.

Witnesses:

JAMES HENRY STUBINGS,
CHARLES FREDERICK HOGG.