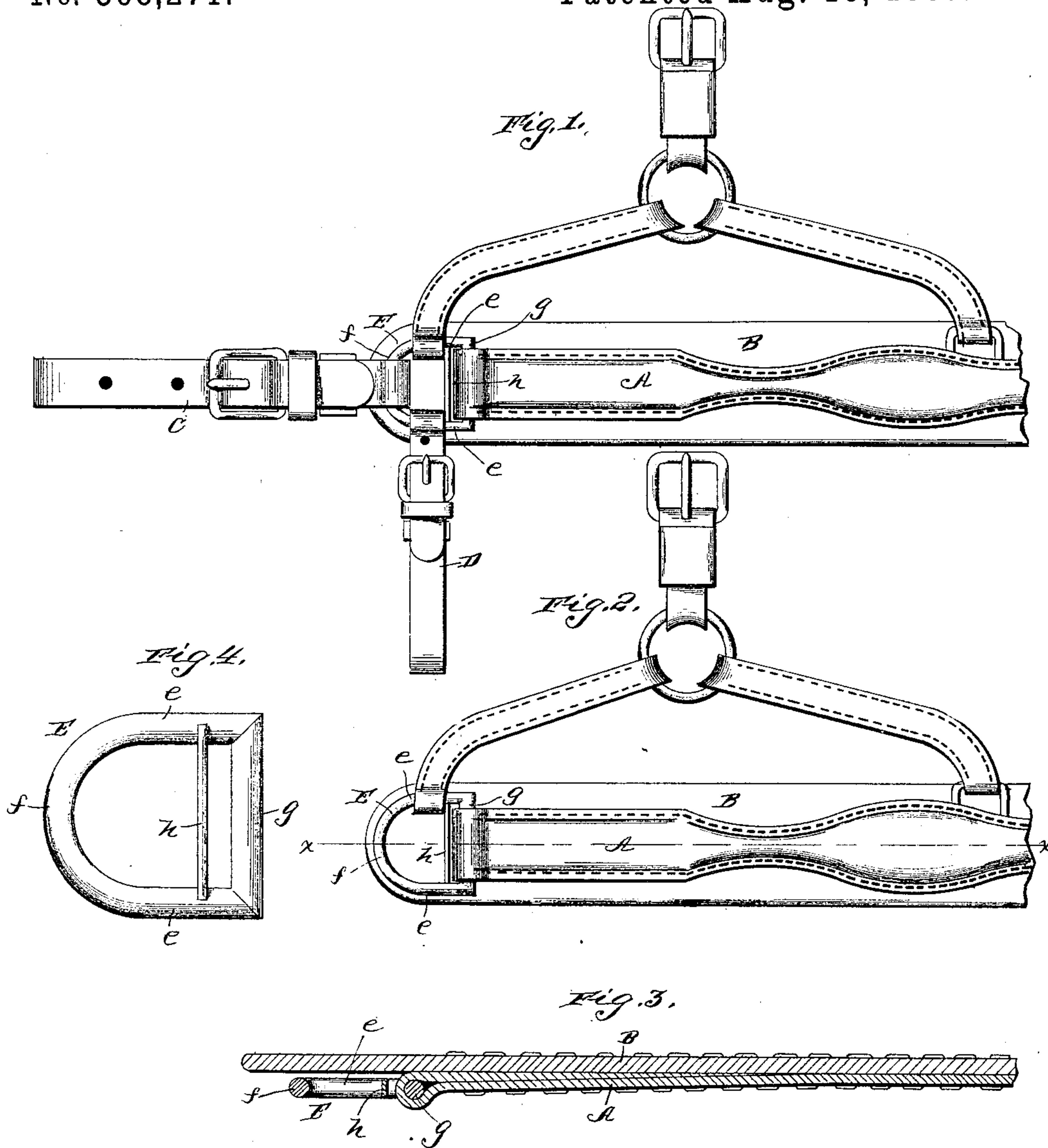


(No Model.)

E. BARNARD.
HARNESS LOOP.

No. 368,271.

Patented Aug. 16, 1887.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD BARNARD, OF ROME, NEW YORK.

HARNESS-LOOP.

SPECIFICATION forming part of Letters Patent No. 368,271, dated August 16, 1887.

Application filed March 25, 1887. Serial No. 232,409. (No model.)

To all whom it may concern:

Be it known that I, EDWARD BARNARD, a citizen of the United States, residing at Rome, in the county of Oneida and State of New York, have invented new and useful Improvements in Harness-Loops, of which the following is a specification.

My invention relates to improvements in harness-loops of that class shown in a prior patent, No. 341,717, issued to me on the 11th day of May, 1886; and it consists of the peculiar and novel construction of the same, as will be hereinafter fully described, and particularly pointed out in the claim.

The object of my present invention is to provide an improved loop or **D** of simple and cheap construction, which will permit of the attachment of a breeching and a number of other straps thereto without permitting them to come in contact and chafe or wear the breeching-strap.

In the accompanying drawings, which illustrate a part of a harness having my improved loop, Figure 1 is a view showing the breeching, the breeching-strap, a side strap, and a lazy-strap connected to my improved loop. Fig. 2 is a view showing the breeching and breeching-strap only connected to the loop. Fig. 3 is a horizontal sectional view on the line *x x* of Fig. 2. Fig. 4 is a detached perspective view of the loop.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, **A** designates a breeching, **B** a breeching-strap, **C** a side strap, and **D** a lazy-strap, all of which are of any common or preferred pattern and are arranged in a manner similar to ordinary harness.

E is my improved loop or **D**, which is cast or formed in a single piece of metal, and consists of two side bars, *e*, which are preferably arranged parallel with each other, a curved end bar, *f*, connecting the side bars at one end, a straight end, *g*, connecting the opposite ends of the side bars, and an intermediate bar, *h*, arranged between the side bars and at a short distance from the straight end bar. This intermediate bar, *h*, forms an auxiliary or supplemental loop with the side and end bars, which is inclosed within the main loop or **D**, and is of course of smaller size, the

width of the space between the straight end and the intermediate bars being sufficient to permit the breeching **A** to be passed there-through.

The breeching **A** is passed through the auxiliary loop of the **D** and doubled or bent over the straight end bar, *g*, thereof, the breeching-strap is connected to one of the side bars of the loop, the lazy-strap is connected to the other side bar, and the side strap is connected to the curved end bar of the loop, all as will be understood by reference to Fig. 1. It will be observed that the intermediate bar, *h*, of the loop effectually prevents the breeching from movement or play, and prevents the lazy and breeching straps from coming in contact with the breeching, as the said lazy and breeching straps are connected to the side bars of the loop on the opposite side of the intermediate bar, *h*, from the straight end bar, *g*.

The pull upon the breeching, lazy, and side straps when they are in use will hold them in engagement with their respective bars of the loop, so that they will not unduly wear and chafe one another, and thus all of the straps connected with the loop are prevented from being unduly worn, which is very desirable.

In my prior patent, hereinbefore referred to, I provide a loop having an acute-angled bar intermediate a side and curved bar and a stud or lug projecting inwardly into the space bounded by the bars, and arranged at a point where the acute-angled and curved bars meet; but this loop does not permit of the attachment thereto of the side and lazy straps without coming in contact with the breeching and unduly chafing and wearing the latter.

I attach especial importance to the loop having an intermediate bar arranged within the bars forming the loop and a short distance from one of bars to thereby form an auxiliary or supplemental loop within the main loop or **D**, as therein lies the gist of my present invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

As an improved article of manufacture, a harness-loop, **E**, consisting of a straight bar, *g*, the curved bar *f*, the sides *e*, and the rectangular cross-bar *h*, adjacent to the bar *g*, all

of which parts are integrally formed, the cross-
bar *h* and the bar *g* forming an auxiliary loop
and being adapted to receive the breeching *A*,
the end bar, *f*, the side strap, and the side bars.
5 *e e*, and the lazy and breeching straps, substan-
tially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
presence of two witnesses.

EDWARD BARNARD.

Witnesses:

W. W. CHAMBERLAIN,
CHARLES W. ELLIS.