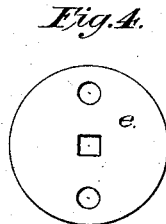
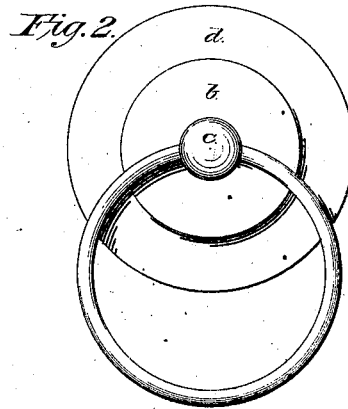
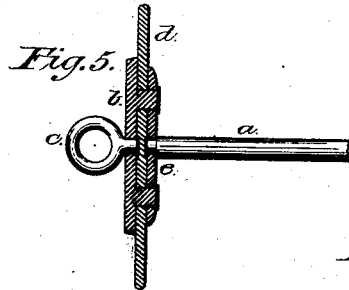
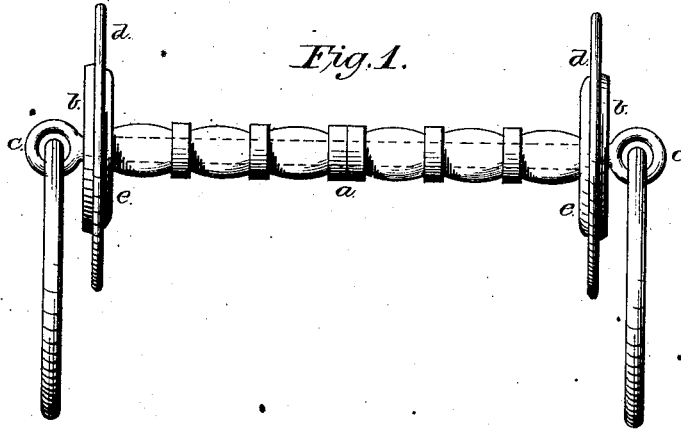


A. BUERMANN.  
Bridle-Bits.

No. 162,348.

Patented April 20, 1875.



Attest:

Will<sup>m</sup>. M. Gooding  
Eclesiar<sup>d</sup> Notary

Inventor: ..

August Buermann

# UNITED STATES PATENT OFFICE.

AUGUST BUERMANN, OF NEWARK, NEW JERSEY.

## IMPROVEMENTS IN BRIDLE-BITS.

Specification forming part of Letters Patent No. **162,348**, dated April 20, 1875; application filed November 18, 1874.

*To all whom it may concern:*

Be it known that I, AUGUST BUERMANN, of the city of Newark, county of Essex and State of New Jersey, have invented certain Improvements in the Construction of Bits for Bridles, of which the following is a specification:

The object of the improvement is to afford stationary cheek-pieces in a bridle-bit, to attain which object I construct the bit with the bar or mouth-piece riveted firmly in the center of a disk or plate at each of its ends, providing corresponding disks in which the ring-holder or head is firmly secured. Two or more rivets are fast to the inside of the corresponding disks. The leather cheek-pieces placed on the rivets are thereby prevented from turning. In the disk first mentioned, to which the bar or mouth-piece is secured, are holes for the rivets on the corresponding disks. The two disks put together with the cheek-piece between them, and well riveted, constitute a strong, durable, safe bridle-bit, susceptible of neat, tasty ornamentation, as fancy dictates.

In the accompanying drawings, Figure 1 is a front view of the bit complete. Fig. 2 is an end view. Fig. 3, an edge view of the outer disk or plate with the rivets projecting from the inside. Fig. 4 is the inner disk, as provided for being attached to the mouth-piece and to the outer disk, or, when of malleable iron, disks and mouth-piece can be cast integrally one. Fig. 5 shows the parts combined. *a* is the bar or mouth-piece, *b* the outer disk, *c* the ring-head or holder, *d* the cheek-piece, and *e* the inner disk.

What I claim is—

The within-described bridle-bit, consisting of the mouth-piece *a*, the outer disk *b*, the ring-head or holder *c*, the cheek-piece *d*, and the inner disk *e*, arranged and connected substantially as shown, and for the purpose set forth.

AUGUST BUERMANN.

Witnesses:

W. M. GOODING,  
EDWARD COLLVER.