

L. F. JUDD.  
Bridle-Bit.

No. 166,615.

Patented Aug. 10, 1875.

fig. 1.

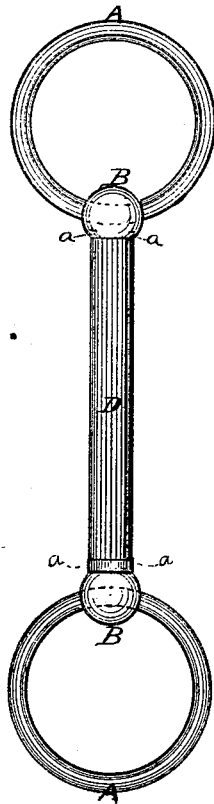
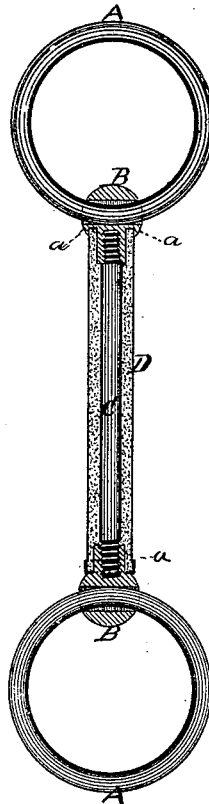


fig. 2.



Witnesses.  
John Pollitt  
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Inventor  
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By James Shepard, att.

# UNITED STATES PATENT OFFICE.

LORIN F. JUDD, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE NORTH  
& JUDD MANUFACTURING COMPANY, OF SAME PLACE.

## IMPROVEMENT IN BRIDLE-BITS.

Specification forming part of Letters Patent No. **166,615**, dated August 10, 1875; application filed  
April 8, 1875.

*To all whom it may concern:*

Be it known that I, LORIN F. JUDD, of New Britain, county of Hartford, in the State of Connecticut, have invented certain new and useful Improvements in Bridle-Bits, of which the following is a specification:

My invention consists of the peculiar construction and combination of the parts whereby the ends of the rubber covering are firmly held in place, all as hereinafter described.

In the accompanying drawing, Figure 1 is a side elevation of a bridle-bit; which embodies my invention, and Fig. 2 is a central section of the same, one end showing a modification thereof.

A A designate the bit-rings, which may be of any ordinary construction, and which are secured to the heads B B. The inside face of each of these heads is surrounded with a projecting rim, *a a*, most clearly shown in Fig. 2. The rod C, Fig. 2, forms the bit proper, and is threaded at each end and screwed into the heads B B, all as shown. I prefer to form the rim *a* on the heads B B, and cast thereon.

D designates a rubber covering, fully equal in length to the rod C, or longer, which is placed upon the rod C, and the heads B B are screwed on when the rims *a a* close or shut over the ends of the rubber covering D and hold them firmly in place, whereas without said rims the ends would have a tendency to roll up and gradually enlarge, making the rubber ends unsightly and the rubber liable to become torn and spoiled for use as a covering for a bridle-bit.

I am aware of the patent to B. D. Rowly, April 14, 1868, No. 76,821, and hereby disclaim the devices therein shown.

I claim as my invention—

The combination of the bit-rod C, tubular rubber covering D, and the projecting rims *a a* of the heads B B, which rims encircle the ends of the rubber covering, all substantially as and for the purpose described.

LORIN F. JUDD.

Witnesses:

F. L. HUNGERFORD,  
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