

B. L. Rowley,

Flexible Bridle Bit.

N^o 76,821.

Patented Apr. 14. 1868.

Fig 1.

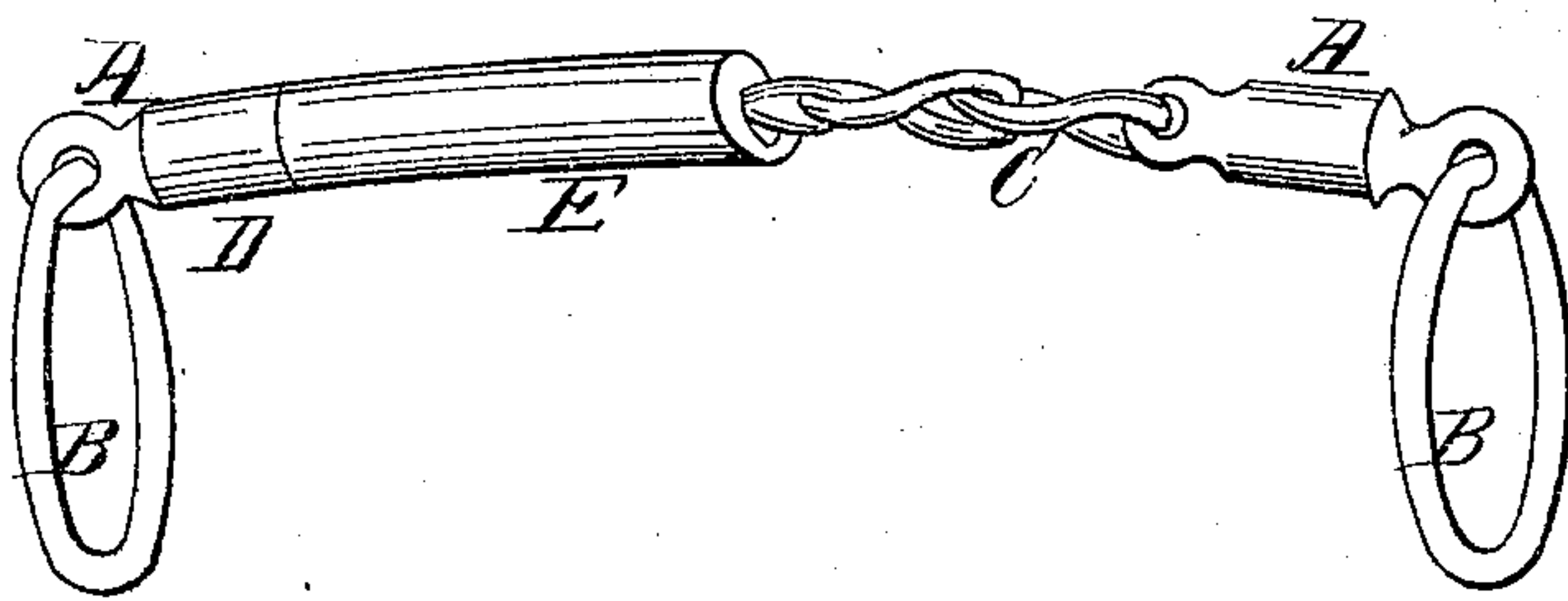


Fig 2.

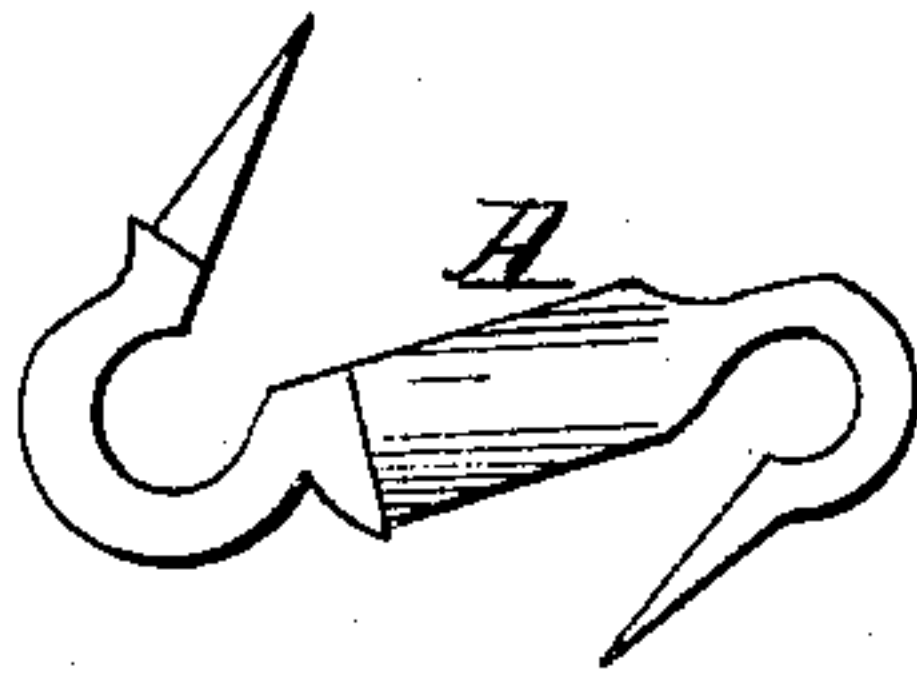


Fig. 3.



Witnesses.

A. E. Smith

W. B. Brumman

Inventor,

B. L. Rowley,

by Ponder & Co Attys

United States Patent Office

BURDETT L. ROWLEY, OF NEW BRITAIN, CONNECTICUT.

Letters Patent No. 76,821, dated April 14, 1868.

IMPROVED FLEXIBLE BIT FOR BRIDLES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BURDETT L. ROWLEY, of New Britain, in the county of Hartford, and in the State of Connecticut, have invented an Improved Flexible Bit for Bridles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 shows the bit with the ferrule removed, and the rubber broken away from a portion of the chain.

Figure 2 shows the double eye for connecting the chain and ring.

Figure 3 is a longitudinal section of the ferrule for securing the double eye.

Letters of like name refer to like parts in each of the figures.

The nature of my invention consists in a flexible bit that, while possessing all the advantages of the ordinary chain-bit, shall have none of its objectionable features, the most prominent of which is its tendency to gall the mouth of the horse, and is more simple in construction, and less liable to be broken than any in use.

A represents the double eye, made of malleable iron, brass, or other malleable metal, although the former is preferred. It is made in the form shown in fig. 2, and closed around the ring B and end-links of the chain G, after which the ferrule D is slipped in place, locking it firmly. The chain C should be made of wrought iron, but the ferrule D may be of cast or malleable iron.

E represents a casing of rubber, covering the chain C, for the purpose of giving elasticity to the bit, so that it may retain a straight form when there is no strain upon the reins, and also to prevent injury to the mouth of the horse.

The rubber may be made in the form of a tube, and compressed lengthwise sufficiently to allow the eye to be connected with the chain, and the ferrule placed in position, or it may be moulded upon the bit, as is deemed desirable.

The advantages claimed for this improvement, are—

First, strength and safety. Being formed of wrought or malleable iron, the bit is capable of withstanding the severest strain without injury, while its flexibility enables it to close upon a horse's mouth in such a manner as to control the most vicious animal, while injury to the mouth is prevented by the elastic covering of the chain.

Second, durability and cheapness. The malleable metals used in its construction are not liable to be broken or worn out, while the simplicity of its parts, and the ease with which it can be made, render it one of the cheapest in use.

Having thus fully set forth the nature and merits of my improvement, what I claim as my invention, and desire to secure by Letters Patent, is—

The double eye A, when used in combination with the rings B, chain C, and ferrule D, for the purpose and substantially as herein set forth.

I also claim the flexible bit composed of the double eyes A, rings B, chain C, ferrule D, and rubber casing E, for the purpose and substantially as herein specified.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 10th day of March, 1868.

Witnesses:

WM. TOOHY,

ROGER WELLES.

B. L. ROWLEY. [L. s.]