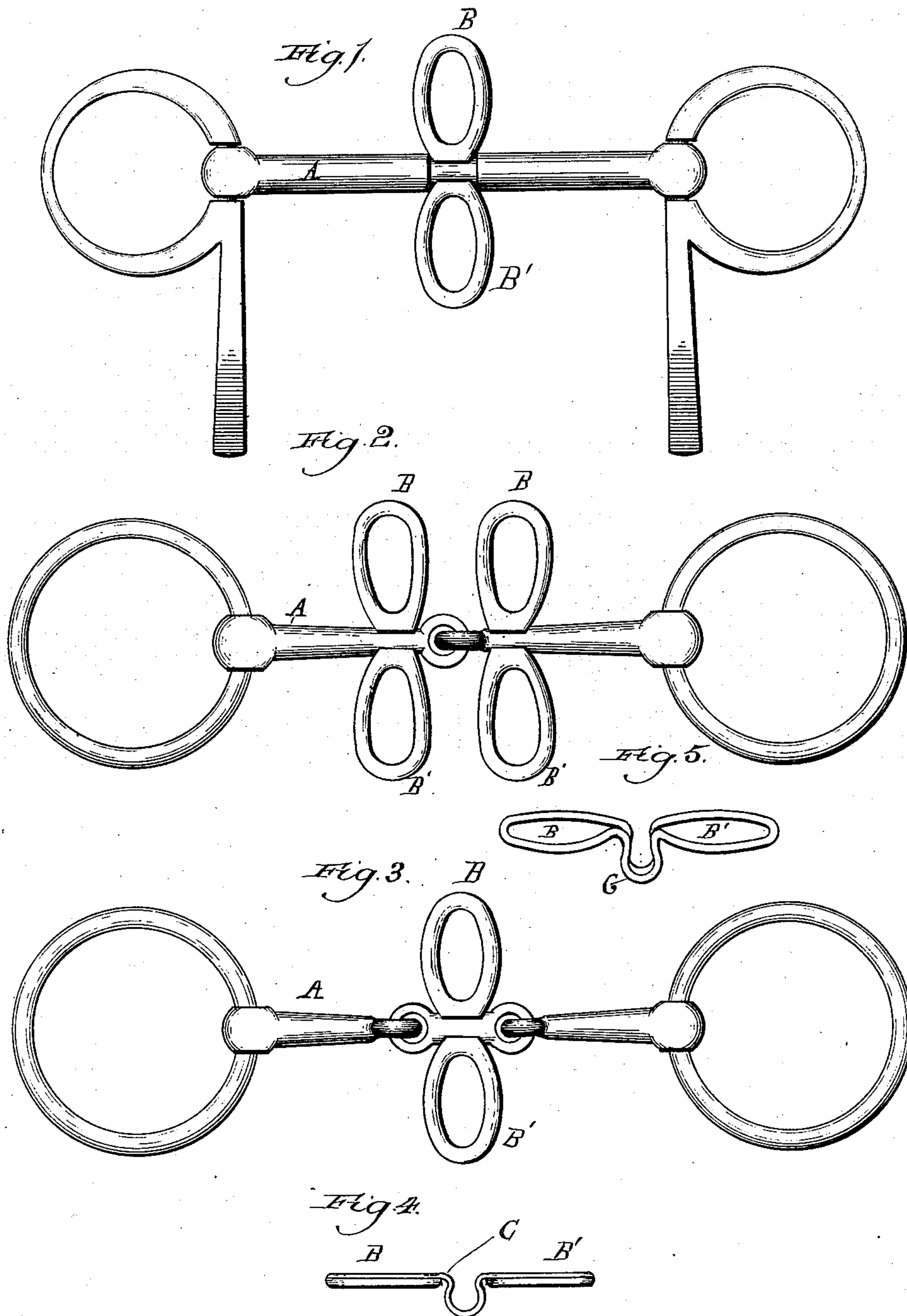


(No Model.)

I. N. LILLY.
BRIDLE BIT ATTACHMENT.

No. 367,416.

Patented Aug. 2, 1887.



Witnesses:
E. S. Gaylord.
Edward Thorpe.

Inventor:
Isaac N. Lilly
By John R. Parker
Attys.

UNITED STATES PATENT OFFICE.

ISAAC N. LILLY, OF CHICAGO, ILLINOIS.

BRIDLE-BIT ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 367,416, dated August 2, 1887.

Application filed April 26, 1887. Serial No. 236,244. (No model.)

To all whom it may concern:

Be it known that I, ISAAC N. LILLY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented a new and useful Bit Attachment, of which the following is a specification.

My invention relates to a device for attachment to bits used in the management and driving of horses, and relates more particularly to
10 devices to prevent the animal's tongue from lolling from its mouth while being driven, and the employment of such devices in a manner to prevent worry or injury to the animal. I attain these objects by the mechanism illustrated in the accompanying drawings, in
15 which—

Figures 1, 2, and 3 are perspective views of my device attached to various forms of bits; and Figs. 4 and 5 are side and perspective
20 views, respectively, of the device detached.

Similar letters refer to similar parts throughout the specification and drawings, in which—

A is a bit of any ordinary construction.

B B' are wings or arms, which may be constructed of wire, steel, or iron plate, or hard
25 rubber.

C is a spring-clasp adapted to encircle the bar or mouth-piece of a bit, said clasp being rigidly connected to the inner ends of the
30 wings or arms B B' by brazing or otherwise, said arms extending in opposite directions in the same plane. The clasp C is so formed as to almost surround the bit, leaving a central opening, through which the bit passes, and
35 where the ends of the clasp are attached to the wings or arms such ends are brought close to each other, forming a hoop or ring. The form of the clasp tends to keep it in position on the bit, and at the same time making its removal by hand a very easy matter. This feature is important, as it allows the use of the
40 same attachment upon any bit.

In operating the device it is only necessary to press the wings or arms B B' backward or in
45 the direction opposite to the opening in the spring-clasp, thereby causing such opening to widen sufficiently to allow of the passage of

the bit, when the force of the spring is allowed to act on the wings or arms, bringing them back to their normal position and securely attaching the device to the bit. The bit is then
50 placed in the animal's mouth over the tongue and in such position that the opening in the spring-clasp will be upward, thereby increasing its hold upon the bit by reason of the upward movement upon the ends of the wings or
55 arms by the tongue of the animal.

It will be observed by reference to the drawings that the bit projects slightly above the upper face of the wings or arms, thereby preventing contact of the ends of the spring-clasp
60 with the hard palate of the mouth and preventing injury thereto.

I have shown two attachments applied to a snaffle-bit, which may be used in exceptional
65 cases to support both sides of the tongue—that is, when a horse is in the habit of carrying his tongue over the bit. When such habit has been cured, one attachment only will be required.
70

I do not wish to limit myself to the exact form shown or to a particular material, as I may change either without departing from the spirit of my invention.

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

1. A removable bit attachment consisting of the oppositely-extending wings or arms and a central spring-clasp adapted to engage the
80 mouth-piece of a bit, substantially as and for the purpose set forth.

2. In a removable bit attachment, the combination, with the wings or arms B B', of a central clasp, C, the ends of which are rigidly connected to the inner ends of wings or arms B
85 B', said ends forming a space for the admission of the bar of a bit, substantially as and for the purpose set forth.

ISAAC N. LILLY.

Witnesses:

ORRIN M. WELLS,
EDGAR T. PAUL.