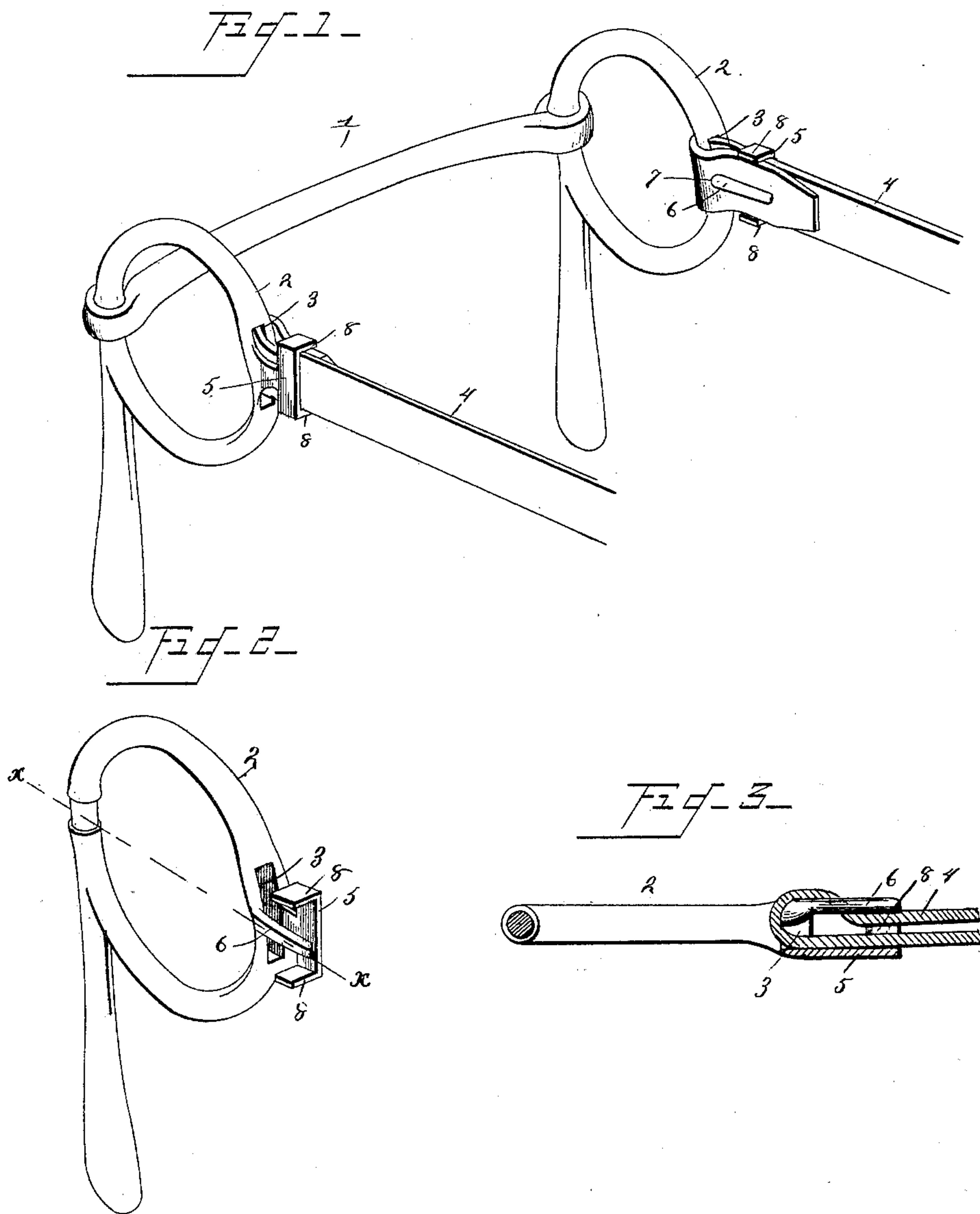


(No Model.)

C. C. COLE.
BRIDLE BIT.

No. 424,538.

Patented Apr. 1, 1890.



Witnesses:

Geot. Fuch.
W. S. S. S. S.

By his Attorneys

C. C. Snow & Co.

Inventor
Cyrus C. Cole.

UNITED STATES PATENT OFFICE.

CYRUS C. COLE, OF ALBION, MICHIGAN.

BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 424,538, dated April 1, 1890.

Application filed October 18, 1889. Serial No. 327,401. (No model.)

To all whom it may concern:

Be it known that I, CYRUS C. COLE, a citizen of the United States, residing at Albion, in the county of Calhoun and State of Michigan, have invented a new and useful Bridle-Bit, of which the following is a specification.

This invention has relation to bit-rings for bridles, and among the objects in view are to provide a ring so constructed as to facilitate a quick and safe connection of the reins therewith and obviate the necessity of providing the reins with buckles or snap-hooks.

With these general objects in view the invention consists in a ring provided at one side with a transverse recess for the reception of the end of the rein, a lug or tongue projecting from the ring, and a guide-plate mounted over the recess and in line with the tongue.

Referring to the drawings, Figure 1 is a perspective of a bit provided with bit-rings constructed in accordance with my invention, the reins attached thereto. Fig. 2 is a similar view, the ring detached. Fig. 3 is a section on line *x x* of Fig. 2.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents an ordinary bit provided with opposite rings 2, the rear portions of which are preferably slightly thickened and at those portions transversely recessed, as at 3, to receive a rein 4. From one wall of the recess there projects a plate 5, extended beyond the periphery of the ring and in line with the recess, which plate may either be formed integral with the ring or suitably secured thereto, as desired, the upper and lower ends being inwardly bent, as at 8, and, together with the plate, forming a loose guiding-clasp. The inner face of the ring opposite the center of the recess is provided with a tongue 6, likewise either formed integral with the ring or secured thereto, said tongue being preferably arranged in line with and oppositely disposed to said plate 5. The advance end of the rein is provided with a perforation 7 and inserted between the tongue and clasp and through the recess in the ring, thence inwardly and

over the tongue, said tongue taking through the perforation. By drawing upon the rein at the opposite side of the ring the advance end of the rein will be drawn snugly through the recess and against the tongue. In this manner the more the draft upon the rein the more securely will the rein be attached to the ring, and this without the use of buckles or loops upon the rein, thus avoiding stitching or other securing means apt to break. By means of the clasps the connections between the reins and rings are hidden from view and the reins are maintained in alignment with the recess for some distance in rear of the same.

Having described my invention, what I claim is—

1. A bit having a ring the periphery of which is provided with a transverse slot and a radiating tongue at one side of the slot, substantially as specified.

2. A bit having a ring the periphery of which is transversely slotted and provided with an aligning plate radiating therefrom and at one side of the slot and at the opposite side of the slot with a radiating tongue, substantially as specified.

3. A bit having rings the peripheries of which are provided with a slot and with a radiating tongue, the latter located opposite the center of the slot, and with an aligning plate at the opposite side of the slot and parallel with the tongue, the opposite edges of the plate being inwardly bent to form a clasp, substantially as specified.

4. A bit having a ring the periphery of which is provided with a radiating tongue and a rigid clasp, both the tongue and the clasp being on a line with each other, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CYRUS C. COLE.

Witnesses:

NELSON B. GARDNER,
B. B. BISSELL.