

(No Model.)

B. S. SEAMAN.

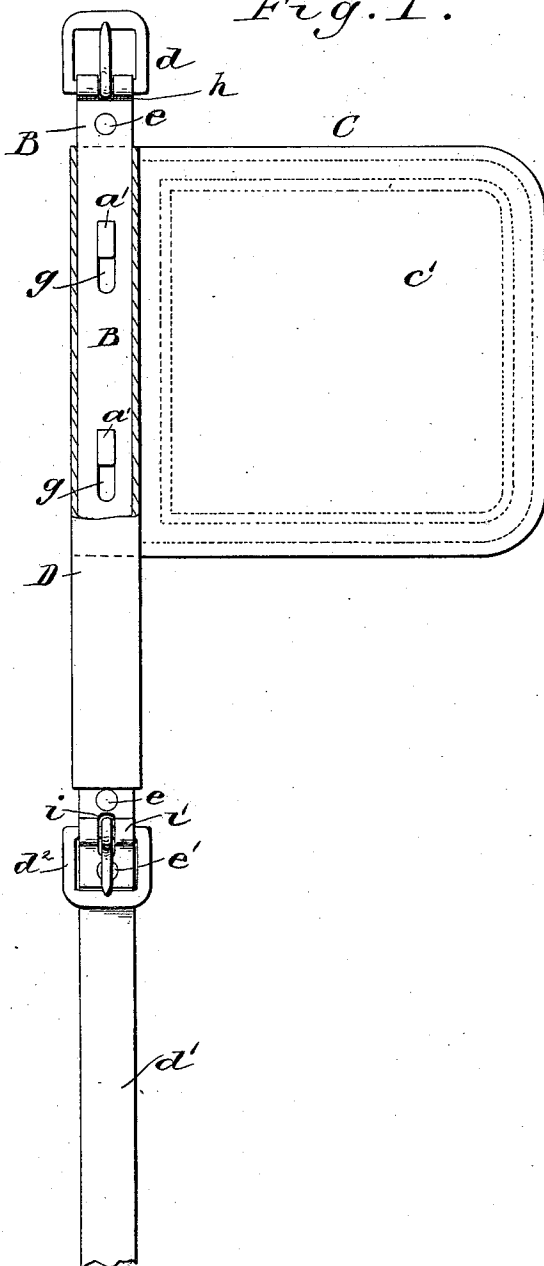
BRIDLE.

No. 357,341.

Patented Feb. 8, 1887.

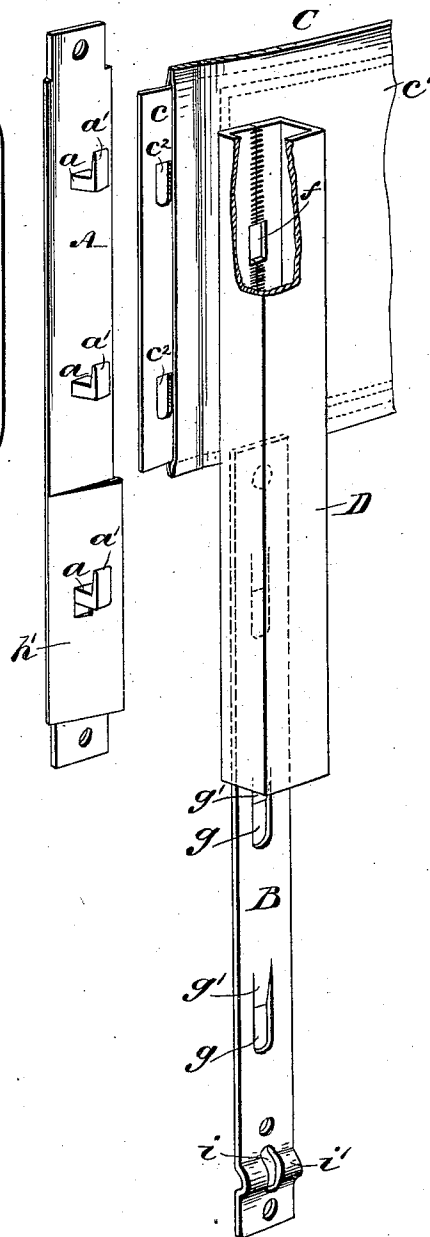
Fig. 1.

Fig. 2.



WITNESSES:

John H. Deemer
to Sedgwick



INVENTOR:

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BY

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BENJAMIN S. SEAMAN, OF CORNING, NEW YORK.

BRIDLE.

SPECIFICATION forming part of Letters Patent No. 357,341, dated February 8, 1887.

Application filed October 16, 1886. Serial No. 216,421. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN S. SEAMAN, of Corning, in the county of Steuben and State of New York, have invented a new and useful Improvement in Bridles, of which the following is a full, clear, and exact description.

The object of my invention is to provide practical means for connecting blinds to the cheek-plates of bridles without the use of rivets, screws, (except at the ends,) or clinching-tongues, and without stitching; and to this end my invention consists, principally, of a cheek-plate formed with studs on which the blind-sheet is adapted to be placed, and secured by a key-plate constructed to engage with the studs.

The invention also consists in securing the cheek-loop to the cheek-plate with the same stud-plate and key-plate which hold the blind; and the invention also consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a front elevation of a blind and loop connected to the cheek-plate in accordance with my invention, the loop being broken away to show the construction; and Fig. 2 is a perspective view of the cheek-plate, the blind, the loop, and the key-plate separated from each other.

A represents the cheek-plate, which may be covered with leather, and to which is attached at one end the buckle *d*, and at the other the billet *d'*. The plate A is of metal, and is formed or provided upon one side with the studs or hooks *a a*, the upwardly-projecting portions *a'* of which are by preference slightly inclined upon their inner surfaces to effect a wedging action with the key-plate B, as hereinafter described.

The blind C is composed of the sheet-metal plate *c* and the covering *c'* of leather. The inner edge of the plate *c*, not covered by the leather *c'*, has the oblong openings *c''* formed in it to adapt the blind to be placed upon the studs *a* of the cheek-plate A.

D represents the leather tube or loop formed at the back, with the openings *f* to fit upon the

studs *a*, so that the upwardly-projecting portions *a'* of the studs will reach somewhat into the interior of the loop, so that when the key-plate B is placed in the loop and fastened upon the studs *a a'* it will not only secure the blind to the cheek-plate A, but also the loop D, and the latter will inclose and conceal the key-plate.

The key-plate B is made of metal, and is formed with the openings *g g*, to adapt it to engage with the studs *a*, and above each opening *g* the plate is beveled, as shown in Fig. 2, to form the wedges *g'*, which act in conjunction with the inner surfaces of the upwardly-projecting portions *a'* of the studs *a*, so that when the key-plate is drawn downward upon the studs it will at the same time be drawn inward and securely bind the blind and loop to the cheek-plate A. The buckle *d* is held in the loop of the buckle-piece *h*, the ends of which are held between the plates A and B by the rivet *e*.

After the parts have been secured together by the key-plate B, as shown in Fig. 1, the cheek-plate A and the key-plate B are secured together at the ends by rivets *e e*, passed through corresponding holes made in the plates A B, so that the whole is made very secure and practical; and at the lower end of the key-plate B is formed a slot, *i*, and offset *i'*, to receive and hold the buckle *d'*, the billet *d'* being secured to the plate B by the rivet *e*, passing through the plates A B and the end of the billet, and the rivet *e'* passing through the plate B and the billet after being placed in the buckle. The end of the billet is inserted in the loop D in the usual manner.

A filling-strip, *h'*, is placed upon the lowermost stud, *a*, to support the loop D and fill the space which would otherwise exist between the loop D and the cheek-plate A, in consequence of the thickness of the blind-plate *c* and leather *c'* thereon, against which the upper portion of the loop must be held.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a bridle-bit, the cheek-plate A, formed with locking-studs, combined with the blind constructed to be held thereby, and the key-plate B, adapted to engage with the studs, substantially as described.

2. The combination, with the plates A B and

the buckle *d*, of the buckle-piece *h*, substantially as described.

3. The blind-plate *c*, formed with openings *c*², and the loop *D*, formed with openings *f*,
5 in combination with the cheek-plate *A*, having studs *a*, and the key-plate *B*, formed with openings to engage with the studs, substantially as described.

4. The plate *B*, formed with the slots *g*,
10 wedges *g'*, and with slot *i* and depression *i'*, substantially as described.

5. The cheek-plate *A*, formed with studs *a*, having inclined projections *a'*, in combination with the key-plate *B*, having openings *g*, and wedges *g'* above the openings, substantially as
15 described.

BENJAMIN S. SEAMAN.

Witnesses:

ADAM PEART,
JOHN PEART.

Correction in Letters Patent No. 357,341.

It is hereby certified that in Letters Patent No. 357,341, granted February 8, 1887, upon the application of Benjamin S. Seaman, of Corning, New York, for an improvement in "Bridles," an error appears in the printed specification requiring correction, as follows: In line 99, page 1, the hyphen and the word "bit" after the word "bridle" should be stricken out; and that the Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 1st day of March, A. D. 1887.

[SEAL.]

D. L. HAWKINS,
Acting Secretary of the Interior.

Countersigned:

R. B. VANCE,
Acting Commissioner of Patents.