

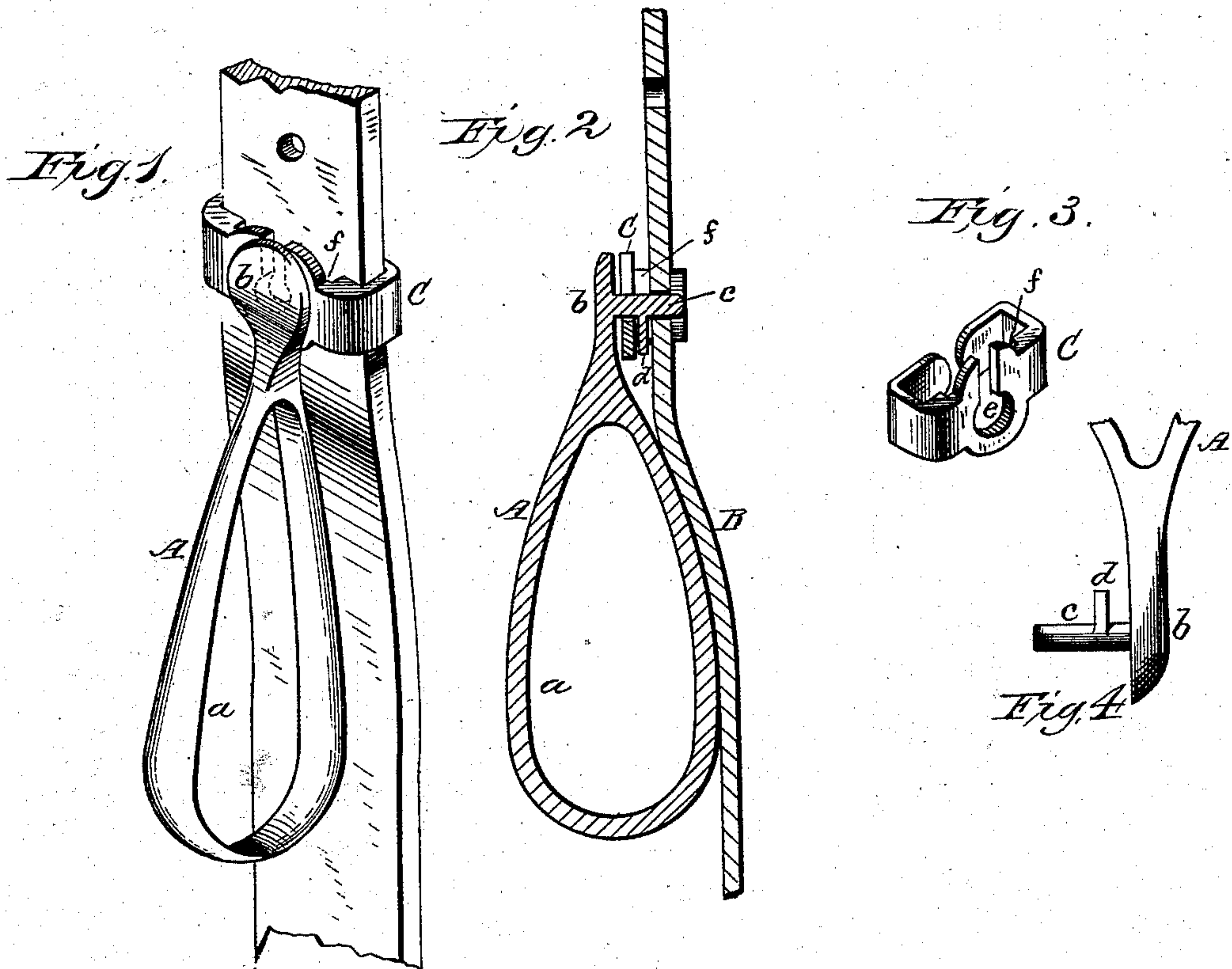
(No Model.)

W. S. THAYER.

GAG RUNNER.

No. 284,258.

Patented Sept. 4, 1883.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM S. THAYER, OF OWEGO, NEW YORK.

GAG-RUNNER.

SPECIFICATION forming part of Letters Patent No. 284,258, dated September 4, 1883.

Application filed May 15, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. THAYER, a citizen of the United States, residing at Owego, in the county of Tioga and State of New York, have invented certain new and useful Improvements in Gag-Runners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view; Fig. 2, a longitudinal vertical section of my invention; Fig. 3, a detail view of the loop, and Fig. 4 a similar view of the shank and key.

This invention relates to certain new and useful improvements in gag-runners, the object of which is to provide such a device that may be easily and cheaply manufactured, readily applied to and adjusted upon the strap or billet of a bridle without bending, creasing, or marring the same, the invention consisting in the details of construction, substantially as shown in the accompanying drawings, and hereinafter described.

In the drawings, A represents the gag-runner, formed with a loop, *a*, through which is passed the rein, said loop terminating in a shank, *b*, having a stud, *c*, projecting from its under side, and adapted to enter any one of a series of holes in the strap or billet B, said stud having a guard, *d*, at right angles thereto, which, in conjunction with the shank and stud, forms a key to enter and lock in a key-hole slot, *e*, formed in a suitable loop, C, which slides upon the strap or billet. This loop C is cast or otherwise formed in the shape of a rectangle, either open or closed, upon its back, with the central portion of its front projecting above and below the edges thereof, to admit of the key-hole slot *e* being formed therein, said central portion of the loop's front being but about one-half the thickness of the remaining por-

tion or portions. A recess, *f*, is thus formed, in which works guard *d* upon the stud *c* of the gag-runner. The loop C is placed on the strap or billet with the key-hole slot upward. The key of the gag-runner is inserted therein with said runner extending in an upward direction, and the stud entering the desired hole in said strap or billet. The proper adjustment having been thus attained, the gag-runner A is swung down, either to the right or left, and is thereby locked or retained securely to sliding loop C upon the strap or billet, the guard *d* resting between said strap or billet and solid portion of the sliding loop in the recess *f*, as shown in Fig. 2. The sliding loop, being slightly smaller upon its interior than the strap or billet, is held in place thereon by frictional contact.

To remove the gag-runner, the same is swung upward against the strap or billet, either to the right or left, and the key simply drawn from the key-hole slot in the sliding loop C, the operation of locking or unlocking being easily and quickly effected.

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

The removable gag-runner A, having a stud projecting inwardly from its shank, and provided with the right-angled guard *d*, in combination with the sliding loop C, cast or otherwise formed in the shape of a rectangle, having the key-hole slot *e*, and the central portion of its front projecting above and below its edges, and of a less thickness than the remaining portion or portions of said front, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM S. THAYER.

Witnesses:

GEO. M. WEBSTER,
CHAS. H. ADAMS.