

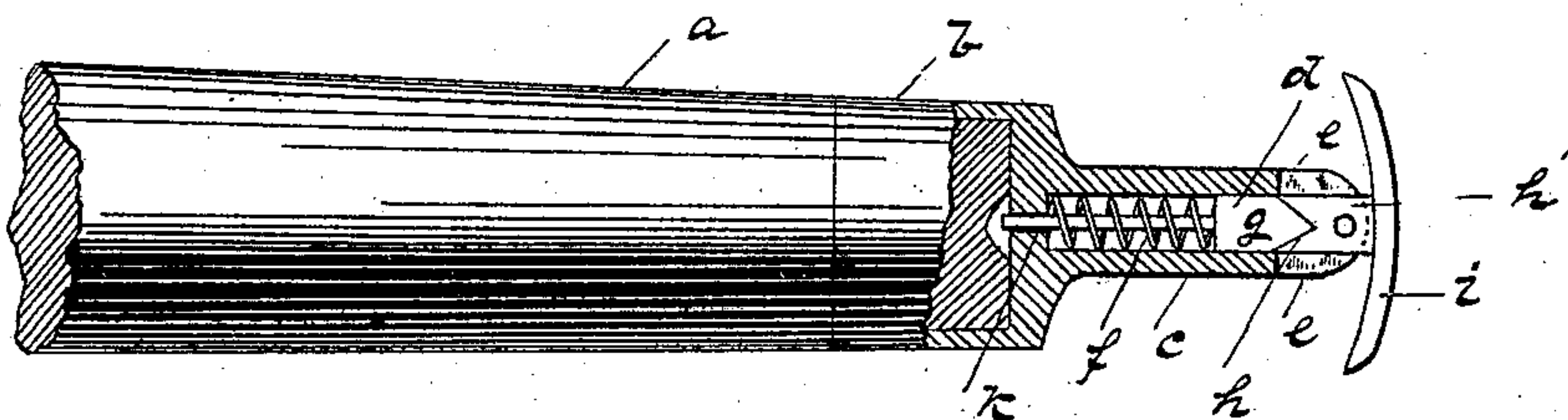
(No Model.)

A. H. EISEMAN.

TRACE HOLDER.

No. 355,600.

Patented Jan. 4, 1887.



Witnesses
J. A. Lewis
Alex. Scott

Inventor:
Augustus M. Eisman
by J. K. Maxwell
his atty

UNITED STATES PATENT OFFICE.

AUGUSTUS H. EISEMAN, OF ST. LOUIS, MISSOURI.

TRACE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 355,600, dated January 4, 1867.

Application filed December 10, 1885. Serial No. 135,277. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS H. EISEMAN, a citizen of the United States, residing in the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Trace Holders and Fasteners, of which the following is a full, clear, and exact description.

My invention relates to improvements in the holders or fasteners attached to the end of single-trees of carriages, wagons, tram-cars, and other vehicles for securing the traces of horses, and has for its object a simple and rapid means of hitching the traces onto the single-trees, and for releasing them therefrom in event of the horses falling, bolting, or for any other emergency.

The figure of the drawing is a side elevation, partly in section.

In the drawing, *a* represents the end portion of a single-tree, on the end of which is secured the cap *b*, which is narrowed, forming the projecting stem or neck *c*, having the hollow bore or cavity *d*, the outer end of which is slotted, as at *e*. Within the cavity *d* is a spiral spring, *f*, which bears against the rear end of the cavity and against the locking cam-bolt *g*, the end of which cam is conical or wedge-shaped, and engages in a conical or V-shaped cavity, *h*, in the shank *h'* of the button *i*, which shank is pivoted between the jaws formed by the slots *e e*. A guiding rod or stem, *k*, may project from the cam *g* through

an aperture in the head of the collar *b* at the base of the cavity *d*.

When the button *i* is turned on its pivot, being in the position shown in the drawing, it meets the resistance of the spring *f*, which spring presses against the cam *g*, tending to retain the cam in the cavity of the shank of the button. Owing to the resistance of the cam and the spring, the button is held in its normal position until sufficient pressure is exerted in turning the button to throw the cam *g* back and out of the cavity *h*. The button may then be easily engaged or disengaged from the trace and then snapped back to its original position.

I am aware that trace holders having a spring-cam have been used before, and I do not desire to claim the same, broadly.

What I claim, and desire to secure by Letters Patent, is—

In a trace-holder, the combination of the shank *c*, having a slotted cavity, *d*, the sliding cam-bolt having a conical face, the spring *f*, and the pivoted button *i*, having a conically-recessed shank, *h'*, substantially as and for the purpose specified.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 8th day of December, 1885.

AUGUSTUS H. EISEMAN.

Witnesses:

GEO. L. VAN BEEK,
PAUL BAKEWELL.