

G. E. PERRIN.
Spring-Hook.

No. 198,813.

Patented Jan. 1, 1878.

Fig:1.

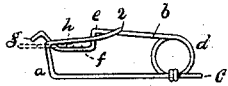


Fig:2.

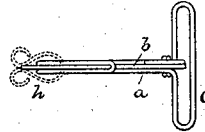


Fig:3.

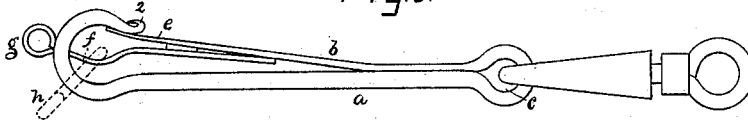
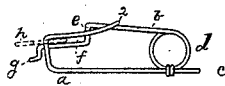


Fig:4.



Witnesses.
C. C. Perkins.
W. J. Pratt.

Inventor.
George E. Perrin
by Crosby & Gregory

UNITED STATES PATENT OFFICE.

GEORGE E. PERRIN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SPRING-HOOKS.

Specification forming part of Letters Patent No. **198,813**, dated January 1, 1878; application filed November 6, 1877.

To all whom it may concern:

Be it known that I, GEORGE E. PERRIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Hook, of which the following is a specification:

This invention relates to a hook to be used as a fastening device for garments or for a snap-hook.

The invention consists, primarily, in the tongue of the hook, it being so constructed that it will yield to an eye, ring, or other device to be engaged by the hook when such parts are being engaged, and will then retain such eye or ring; and it is also further provided with a thumb-piece to permit it (the tongue) to be depressed to free the eye or ring.

Figure 1 represents one form of my invention, it being embodied in a hook for fastening garments. Fig. 2 is a side view thereof. Fig. 3 represents the invention applied to a snap-hook, and Fig. 4 is another modification.

In Figs. 1 and 2 the hook *a* and tongue *b* are shown as made from a single piece of spring-wire, coiled and bent as shown. In such figures, *c* denotes an eye, which may be of any suitable shape and size to receive a strap, or to be sewed or secured to a garment. The coils in the wire at *d* afford the spring for the tongue.

The tongue is provided with a stop, *e*, which projects beyond the end 2 of the hook, and with a depressed portion, *f*, and a thumb-piece, *g*.

When an eye or a ring of usual construction is passed between the tongue and the end 2 of the hook, the tongue will be depressed so that the stop *e* will pass below the upper part of the hook, and the eye or ring will pass into the depression *f*, where it will be permitted to rest, and where it will be held. When the ring or eye is so held, the stop *e* rises above or projects into a slot in the hook. This stop portion of the tongue is so shaped as to prevent the ring or eye passing backward un-

til the tongue is depressed. To depress the tongue easily, I have added to it the thumb-piece *g*, which enables the tongue to be manipulated from the end of the hook, rather than between the eye *c* and the portion 2, as now commonly done. This thumb-piece, extending, as described, from the tongue, permits the use of a very small or short hook, with a spring-tongue so short that it could not be reached and depressed when attached to a garment.

Instead of the stop *e* being made substantially as shown, it may be inclined, or curved backward toward the eye *c*, so as, in a greater measure, to prevent the backward movement or escape of a ring or eye from between the hook and tongue.

In Fig. 3 the stop *e* is made to project forward and receive below it the ring *h*, (shown in dotted lines,) and the depression *f* and thumb-piece *g* are made in a separate piece of metal connected with the portion *b*.

The shape and size of the hook may be varied without departing from my invention.

In Fig. 4 the thumb-piece portion of the tongue is placed nearer the base of the hook, so that it may be reached from above, rather than below, the eye, or by tipping the eye. In many instances the form shown in Fig. 4 will be preferred.

A fastening, substantially as shown in Fig. 4, might be made of flat spring metal, instead of wire.

I claim—

As an improved article of manufacture, a hook provided with a tongue, a stop, a depression, and a thumb-piece, to operate substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE E. PERRIN.

Witnesses:

G. W. GREGORY,
W. J. PRATT.