

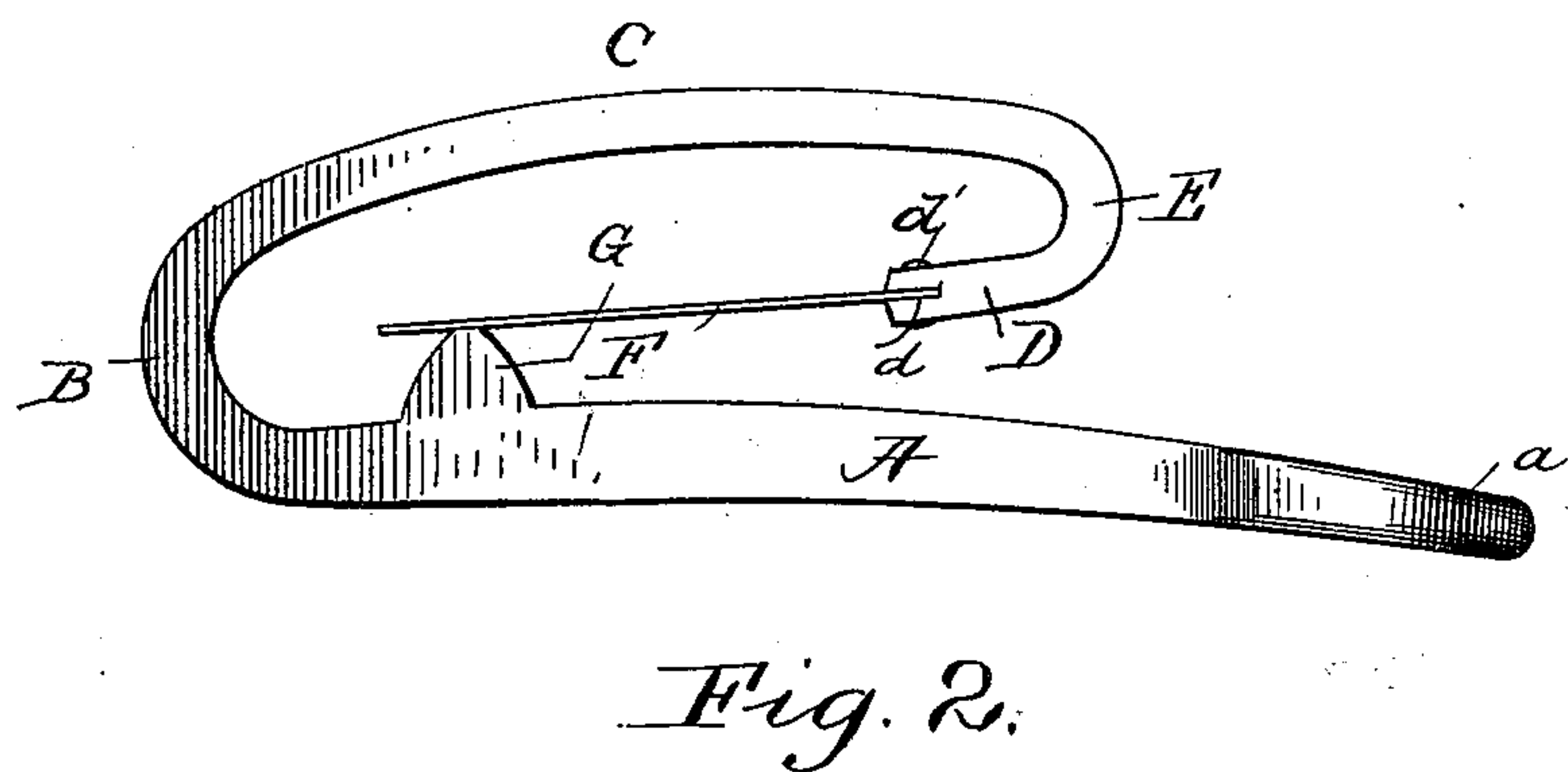
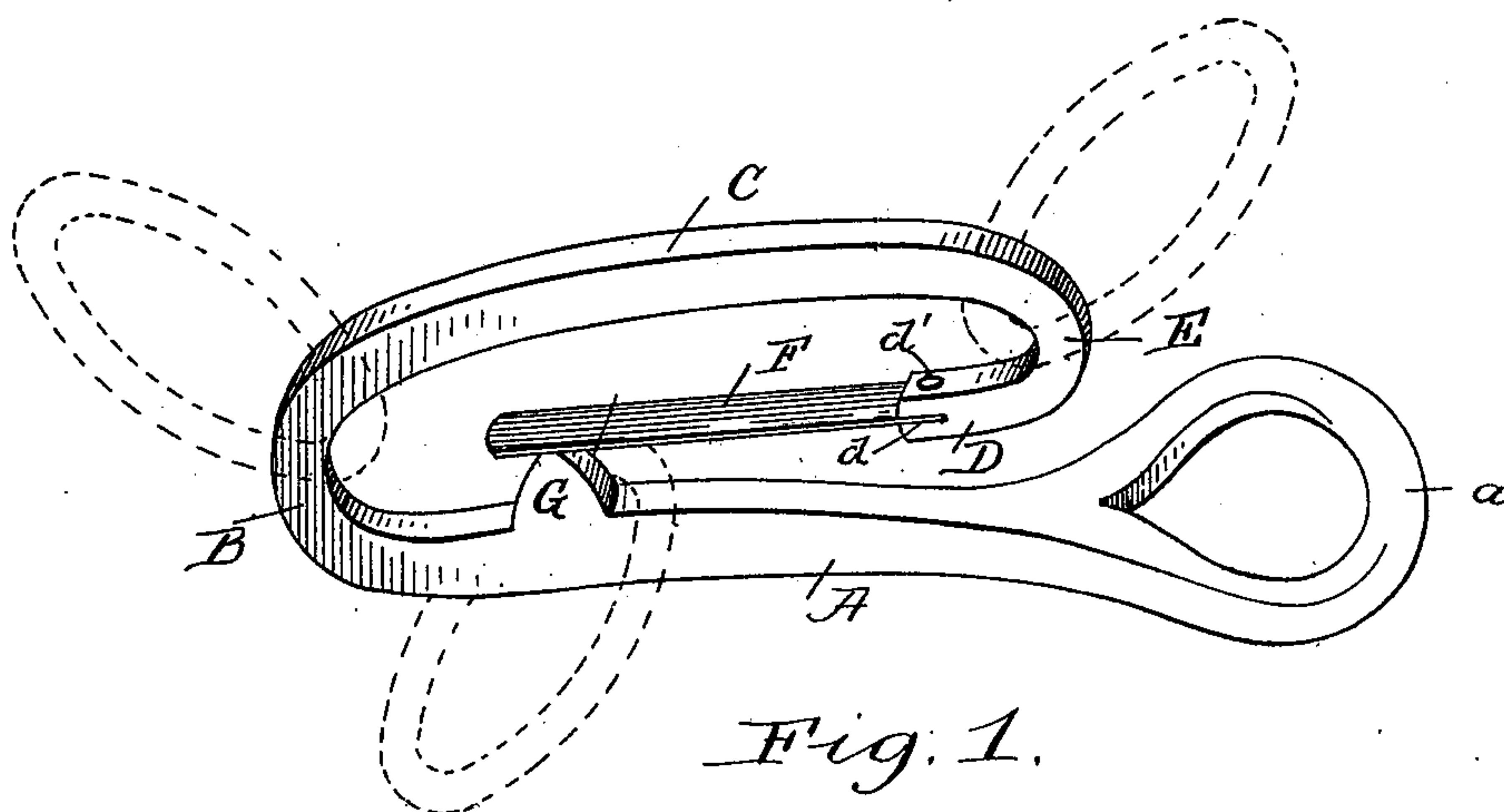
No. 652,885.

Patented July 3, 1900.

G. W. BROWN.
SNAP HOOK.

(Application filed Sept. 6, 1899.)

(No Model.)



Witnesses
Chas W Parker
A. S. Bacon.

Inventor
George W. Brown
By Geo. W. Morris
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE W. BROWN, OF HOT SPRINGS, ARKANSAS.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 652,885, dated July 3, 1900.

Application filed September 6, 1899. Serial No. 729,652. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. BROWN, a citizen of the United States, residing at Hot Springs, in the county of Garland and State of Arkansas, have invented certain new and useful Improvements in Hooks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in hooks, more especially of that character adapted for use on tug and draft connections, whiffletrees, and in other connections where a hook is required which can be easily and quickly connected or disconnected and which when connected is not liable to accidental disconnection.

The objects of the invention are to produce an improved hook of the above-named character which will embody the advantages and remedy the defects of known hooks used for similar purposes; to produce a hook of very simple construction and of the minimum number of parts; to produce a hook, particularly easy to operate, which will be free from the objection incident to so many different hooks of being easily disconnected accidentally; to devise a hook which will permit draft on the ring or link with which it is connected in practically any direction without danger of disconnection of the ring or link from the hook, and to generally improve, simplify, and cheapen the construction of such hooks.

With such objects in view my invention is embodied in the novel construction, arrangement, and combination of the several parts, as hereinafter fully described, and particularly set forth in the claims.

In the accompanying drawings I have illustrated a practical embodiment of my invention, but desire it to be understood that I do not limit the improvements in their useful applications to the particular construction therein shown for the sake of better understanding of the invention.

In said drawings, Figure 1 is a perspective view of a hook, illustrating the invention and showing by dotted lines different positions

which the ring is liable to assume. Fig. 2 is a side elevation thereof.

Referring to the drawings, A indicates the body or shank of the hook provided, if desired and as shown in the drawings, with a loop or eye *a* at its rear end, by which eye the hook may be connected to a draft connection or the like. At the forward end of the shank or body portion A the metal of the hook is bent or turned to form a comparatively large substantially - semicircular bent or curved portion, (indicated at B.) From this portion B extends rearwardly to about the end of the body portion a bill or beak portion C, which lies substantially parallel with the body portion and is preferably slightly curved or bowed outwardly or away from the body portion A. The bill C is provided at its rear end with a short return or hooked portion or extension D, which lies substantially half-way between the bill and body in order to leave space between the extension and the body for the passage of a link or ring and to provide a bent or curved portion E, joining the extension to the bill to receive the ring. Secured in a suitable manner to the extension D is a forwardly-extending yielding or spring tongue F, which forms practically a spring continuation of the extension D. The tongue is shown as being inserted in a slit *d* in the end of the extension and having a rivet *d'* passing therethrough. Projecting from the body or shank A, just rearward of the end of the spring-tongue F, is a stop portion or shoulder G, spanning the space between the shank and the tongue.

Such being the construction of the hook, it is believed its use will be apparent. In connecting with a ring or the like the hooked bill C is inserted in the ring, and slight pressure brought to bear on the spring-tongue will cause the latter to move away from the stop G and permit the ring to pass the same and enter the space between the shank and the main portion of the bill. From a view of Fig. 1 it will be seen that the ring can occupy either of the positions indicated by dotted lines and numerous intermediate positions and have strain placed thereon without danger of becoming disengaged from the hook.

It is therefore evident that the various positions which the hook or ring may assume in the use thereof need cause no fear of the disengagement of the hook and ring, with the consequent inconvenience and danger. To release the ring from the hook, it is simply necessary to move the same against the stop G and press the ring slightly against the projecting end of the spring-tongue, when it will slip past or over the stop and over the hooked end of the bill.

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

1. As a new article of manufacture, a hook comprising a shank, a bill having a return part provided with a yielding tongue continuation, lying between said shank and bill and contacting with a part on said shank, said shank having a stop-shoulder with which

a ring when on the hook is adapted to engage, whereby the accidental displacement of the ring is prevented.

2. As a new article of manufacture, a hook comprising a shank, a bill extending from the forward portion of the shank rearwardly and having a rigid return extension intermediate the shank and bill and spaced from the shank, a spring-tongue secured to said extension and projecting forwardly between the shank and bill, and a stop-lug on the shank rearward of the forward end of said spring-tongue and on which said spring-tongue rests, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. BROWN.

Witnesses:

AUG. E. TORRENCE,
JAI R. HENDERSON.