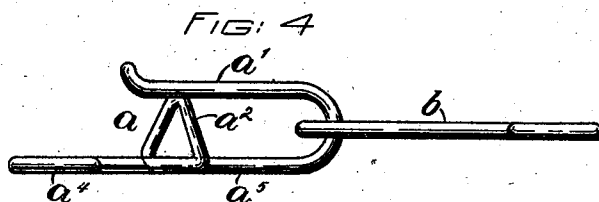
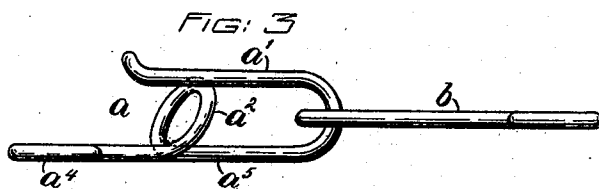
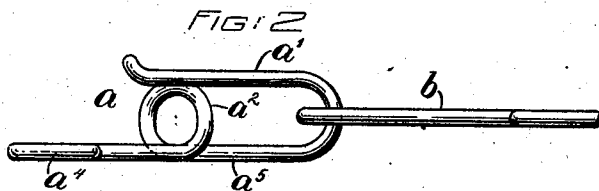
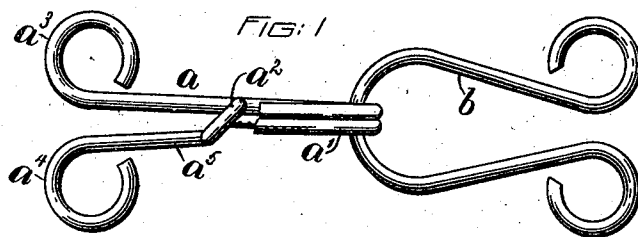


(No Model.)

N. C. SAMPLE.
GARMENT HOOK.

No. 504,090.

Patented Aug. 29, 1893.



WITNESSES:

Thomas M. Smith.
Richard C. Maxwell.

INVENTOR:

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ATTY

UNITED STATES PATENT OFFICE.

NEWTON C. SAMPLE, OF PHILADELPHIA, PENNSYLVANIA.

GARMENT-HOOK.

SPECIFICATION forming part of Letters Patent No. 504,090, dated August 29, 1893.

Application filed May 15, 1893. Serial No. 474,241. (No model.)

To all whom it may concern:

Be it known that I, NEWTON C. SAMPLE, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Garment-Hooks, of which the following is a specification.

My invention relates to hooks employed in connection with eyes for fastening garments and similar articles; and it relates more particularly to the construction and arrangement of a hook having an integral retainer or projection for obviating accidental detachment of an eye and designated as a safety-hook for garments or like articles.

The principal objects of my invention are first, to provide a simple, durable, efficient and inexpensive hook; second, to construct and arrange the parts of the hook for operation in such manner that the same is self contained, that is, a hook in which the eye may be attached to and detached from the hook without interfering with any of the parts thereof; and third, to provide a safety-hook that is not rendered inoperative by the accidental bending of the bill thereof, which is apt to occur in the use of such devices in connection with garments or like articles.

My invention consists of the improvements in a garment hook hereinafter described and claimed.

The nature and characteristic features of my invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which—

Figure 1, is a top or plan view of a hook embodying the features of my invention and with the bill partly broken away in order to expose to view the diagonal position of the retainer or projection of the shank of the hook and also illustrating an ordinary eye in connection therewith. Fig. 2, is a side elevational view of a hook of my invention, showing one form of retainer or projection formed integral therewith and diagonally arranged with respect to the plane of the shank; and Figs. 3 and 4, are similar views, showing modified forms of retainers or projections formed integrally with the hook and diagonally ar-

ranged with respect to the plane of the shank thereof.

In the drawings *a*, is a hook, comprising a double-wire having the double portion thereof curved to form a bill *a'*, provided with a round, oval or triangular shaped retainer or projection *a²*, formed integral with the shank portion *a³*, of the hook terminating in eyes *a⁴* and *a⁵*, for the reception of thread by which the hook is secured to an article. The bill portion of the hook is slightly bent upward near its free extremity, in order that the eye *b*, may be caused to readily pass over the retainer or projection *a²*, of the type illustrated in the drawings. The retainer or projection *a²*, formed integral with one portion of the shank *a⁵*, is arranged diagonally with respect to the plane of the shank and is normally held by a spring action in contact with the bill *a'*. In use the eye *b*, may be inserted beneath the point of the bill and readily drawn forward past the diagonally disposed retainer or projection *a²*, into the position illustrated in Fig. 1, of the drawings. During this operation the bill *a'*, of the hook *a*, yields slightly, in order to permit the eye *b*, to pass the projection, whereby accidental detachment from the hook is obviated. The eye *b*, may, however, be readily detached from the hook, whenever it becomes necessary or desirable so to do, by simply pressing the eye in a reverse direction against the projection or retainer *a²*.

Among the characteristic features and advantages possessed by such a hook may be mentioned first: the bill can be bent upward or away from its shank as frequently occurs in use, without interfering with the efficiency of the device or fear of accidental detachment of the eye; second, the double wire bill presents a smooth extremity that will not cut or otherwise injure the article to which the hook is applied; third, the retainer or projection formed integral with the shank and disposed diagonally with respect to the plane of the hook is held normally in engagement with the bill of the hook, so that the eye is securely retained in position in connection therewith; fourth, the hook can be cheaply made, because consisting of but a single piece of wire bent into the required form; and moreover, is

much more efficient in use than hooks such as heretofore made with interposed ramparts, projections or humps and also with spring tongues or latches adapted to co-operate with the ramparts or projections of the hooks; and fifth, the hook can be additionally secured to the garment by passing thread through the coil of the retainer a^2 , located directly under the bill of the hook, a position that is generally along the edge of the garment, in order to prevent the hook from "curling under." Moreover, it will be observed thereby that the front and rear portions or surfaces of the retainer positively limit the position of the stitches employed to secure and maintain the hook at that point to the garment.

The hooks illustrated in Figs. 3 and 4, are the same as those illustrated in Figs. 1 and 2, with the exception that the retainer or projection a^2 in the one instance is oval, while in the other it is triangular in form. It is, however, obvious that as to the retainer or projec-

tion formed integral with the hook, the same may be made of several different forms and still be within the scope of my invention. 25

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

A garment hook, comprising a single piece of wire doubled to form a shank consisting of two members, each of which is provided with a thread eye and bent to form a bill with a flaring extremity and one part of the shank being straight and the other part being formed with an intermediate coil arranged diagonally with respect to the plane of said shank, substantially as and for the purposes described. 30 35

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

NEWTON C. SAMPLE.

Witnesses:

BLAKE EARNSHAW,
GEORGE A. STANTON.