

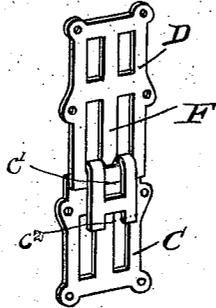
(No Model.)

F. J. RAPPOLD.  
HOOK AND EYE.

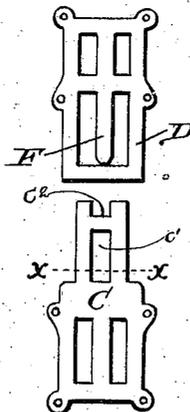
No. 564,255.

Patented July 21, 1896.

*Fig. 1.*



*Fig. 2.*



Witnesses  
Edwin G. M<sup>r</sup> Kee  
K. A. Mann

Inventor  
Frederick J. Rappold  
By John Hedderburn  
his Attorney.

# UNITED STATES PATENT OFFICE.

FREDERICK J. RAPPOLD, OF ERIE, PENNSYLVANIA.

## HOOK AND EYE.

SPECIFICATION forming part of Letters Patent No. 564,255, dated July 21, 1896.

Application filed February 15, 1896. Serial No. 579,379. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK J. RAPPOLD, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Hooks and Eyes; 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 certain new and useful improvements in hooks and eyes; and it has for its object, among others, to provide a simple and cheap hook and eye, so constructed that they cannot become accidentally disengaged or unhooked. I provide the eye with a tongue which will spring into place as the parts are engaged and which will hold them against separation. The hook and eye may be formed of wire or they may be stamped from sheet metal and the hook bent into the desired shape.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention in this instance resides in the peculiarities of construction and the combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of my improved hook and eye with the parts engaged. Fig. 2 shows the blanks from which the form shown in Fig. 1 are formed before they are bent.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, C and D are the blanks, which

are first formed in any suitable manner, and then the former is bent upon the line  $xx$ , with the end of the narrower portion having the notch and a space or opening  $c'$  between the side bars thereof.

The part D is provided with a spring-tongue F, integral therewith and extending in the general direction of the length thereof, the said tongue projecting through the opening  $c'$  of the part C to prevent accidental separation or displacement of the parts. The narrowed portion of the part C is formed with a notch  $c^2$  at its free end, in line with the opening  $c'$ , as indicated clearly in Fig. 2.

In practice, when the hook is engaged in the eye the spring-tongue will yield and allow of the entrance of the hook, but will ride over the same and will hold the hook from disengagement with the eye, as will be readily understood. The notch  $c^2$  permits of more ready insertion of the hook within the eye, permitting of the passage of the end of the spring-tongue.

What is claimed as new is—

1. The combination with a sheet-metal hook having side bars with an opening between them and a notch at the end and a longitudinal opening between said side bars, said side bars being bent back upon the body portion of the hook, of a sheet-metal eye formed with an integral spring-tongue extending in the direction of the length thereof, substantially as specified.

2. The combination with a sheet-metal hook having a hooked portion side bars with an opening between them and a notch at the end, of a sheet-metal eye formed with an integral spring-tongue, substantially as and for the purpose specified.

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

FREDERICK J. RAPPOLD.

Witnesses:

SAMUEL WEISS,  
EDW. C. MOORE.