Nov. 18, 1924. 1,515,706

N. SOLOW

HOOK AND EYE AND TAPE CONTAINING SUCH HOOKS AND EYES

Filed Nov. 17, 1922

Fig:1.

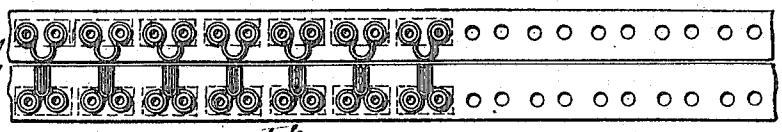

Fig:2.

Fig:3.

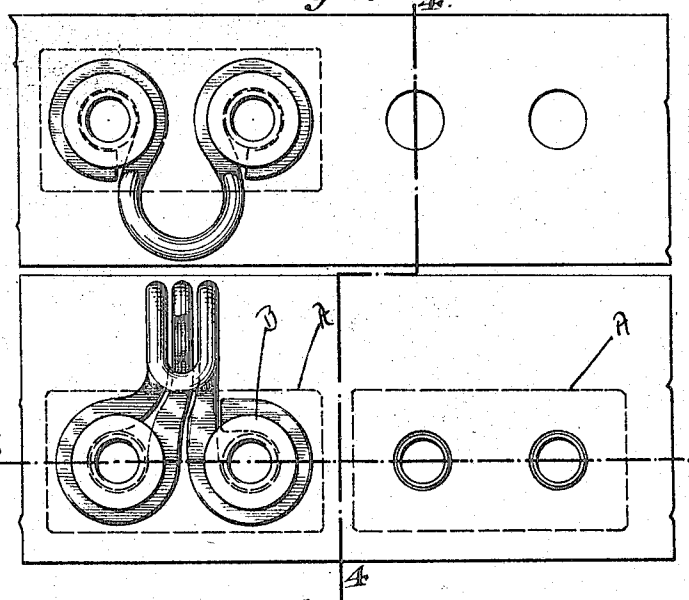


Fig:4.

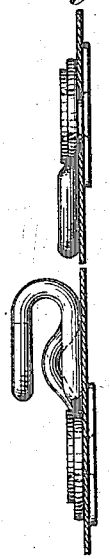

Fig:5.

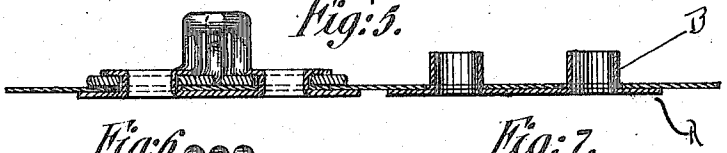


Fig:6.

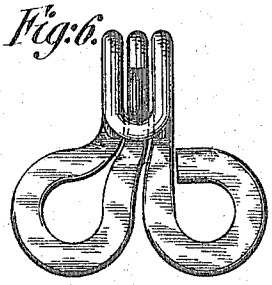

Fig:7.

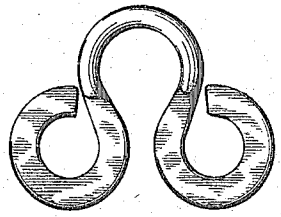

Fig:8.

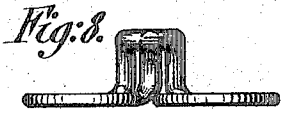

Fig:9.

INVENTOR
Naftul Solow
BY Mock & Blum
ATTORNEYS

Patented Nov. 18, 1924. 1,515,706

# UNITED STATES PATENT OFFICE.

NAFTAL SOLOW, OF NEW YORK, N. Y.

## HOOK AND EYE AND TAPE CONTAINING SUCH HOOKS AND EYES.

Application filed November 17, 1922. Serial No. 601,486.

*To all whom it may concern:*

Be it known that I, NAFTAL SOLOW, citizen of the United States, residing in the borough of Bronx, in the county of Bronx, city and State of New York, have invented certain new and useful Improvements in Hooks and Eyes and Tapes Containing such Hooks and Eyes, of which the following is a specification.

This invention relates to improvements in hooks and eyes and the methods of manufacturing such hooks and eyes and also relates to improvements in the manufacture of the composite product known as hook and eye tapes which are tapes to which hooks and eyes are attached, and to improvements in the methods for manufacturing such composite tapes.

A further object of my invention is the provision of an improved hook and eye and the provision of an improved composite tape to which the hook or eye members will be durably attached.

Further objects of my invention will be apparent from the drawings in which Figure 1 is a top plan view of a tape equipped with a row of eyes attached thereto and a tape with a complementary row of hooks.

Figure 2 is a vertical plan view of the tape and hooks shown in Figure 1.

Figure 3 is an enlarged view of a portion of said composite tape showing the method of fastening the hook or eye to the tape.

Figure 4 is a side view of the hook and eye shown in Figure 3.

Figure 5 is a sectional view along the lines 5—5 of Figure 3.

Figure 6 is an enlarged perspective view of a single hook.

Figure 7 is an enlarged perspective view of a single eye.

Figure 8 is a side view of the hook shown in Figure 6.

Figure 9 is a side view of the eye shown in Figure 7.

In proceeding to make my improved hook and eye, I use a round wire of any suitable metal as a round wire is best fitted and most economical for the purpose I have in view.

In forming the hook or eye shown in Figures 6 and 7, I flatten the circular ends of each hook or eye as shown in such views, so that the surface of the hook or eye by which it may be attached to a tape or other fabric is greatly enlarged.

In constructing my improved tape, a flat plate or double eyelet best illustrated as A in Figures 4 and 5 is provided with two hollow studs B integral therewith and struck up therefrom, which studs project through the holes in the tape shown in Figure 1. A hook or eye with the flattened ends as shown is then inserted over said studs and the projecting portion of said studs is riveted over the flattened portion of the hook or eye as is well shown in Figure 3. With the ordinary hook and eye made from wire now well known in commerce, the tendency for the eyelet B was to find comparatively little support from the adjacent round hook or eye but in this improved construction there is considerable additional contact surface portion due to the compressed portion of the eyelet in relation to the adjacent flat portion of the hook or eye and it is possible to secure a firm union between the metallic member provided with such studs and the flattened portion of the hooks or eyes.

Another important feature of this invention is that with the improved hook or eye with flattened ends here shown, there is a much larger surface of contact of the bottom of such hook or eye with the fabric to which it is attached in view of the much larger frictional surface afforded, so that the contact between said fabric and said hook and eye is much more secure.

A series of hooks or eyes are attached to the row of tape as described in this example and tends to afford a tape of comparatively thin cross section.

It will also be understood that this invention can also be applied on the straight form of metal eye known as a loop.

Having thus fully described my invention, what I claim is:—

1. In a composite hook and eye tape, a hook element comprising a flat plate with two perforations therein, a hook made of circular wire with flattened ends positioned over said perforations, and studs produced by the formation of said perforations and riveted over said flattened ends.

2. A composite tape comprising a series of hooks and eyes made of circular wire with flattened ends, a series of thin plates with double perforations fitting said flattened ends, and studs produced by the formation of said perforations and riveted over said flattened ends, the ends of said hooks and eyes having a relatively large surface

compared to the operative portion of said hooks and eyes.

3. A composite tape comprising a series of hooks and eyes made of circular wire with flattened ends, a series of thin plates with double perforations fitting said flattened ends, and studs produced by the formation of said perforations and riveted over said flattened ends so as to provide a comparatively flexible and thin row of hooks and eyes, the ends of said hooks and eyes having a relatively large surface so as to adhere closely to said thin plates.

In testimony whereof I hereunto affix my signature.

NAFTAL SOLOW.