D. T. FRENCH.

UPPER HANGER.

APPLICATION FILED JULY 6, 1909.

956,069. **Patented Apr. 26, 1910.**

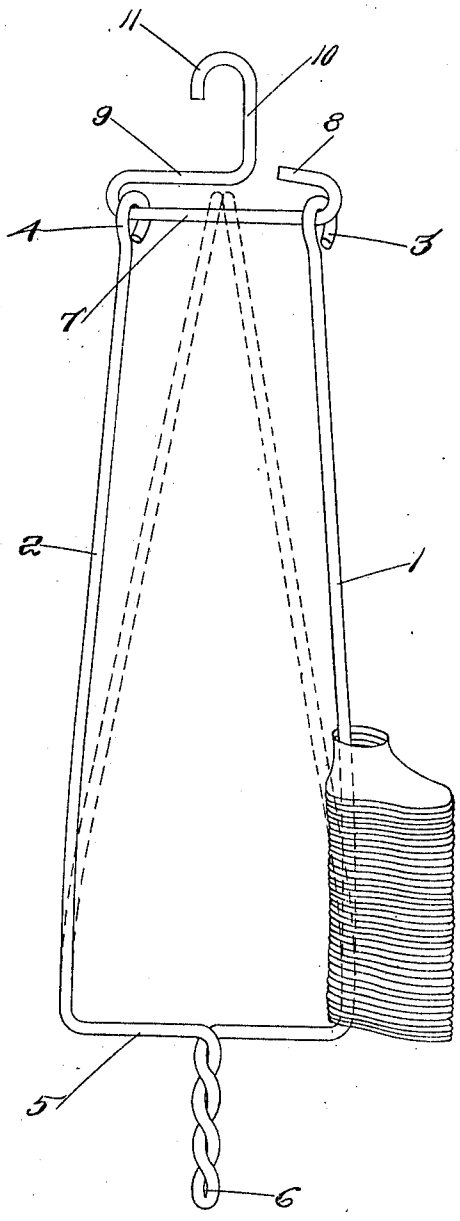

Fig. 1.

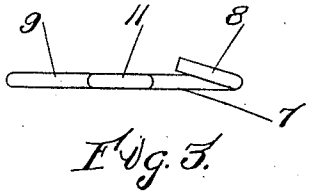

Fig. 3.

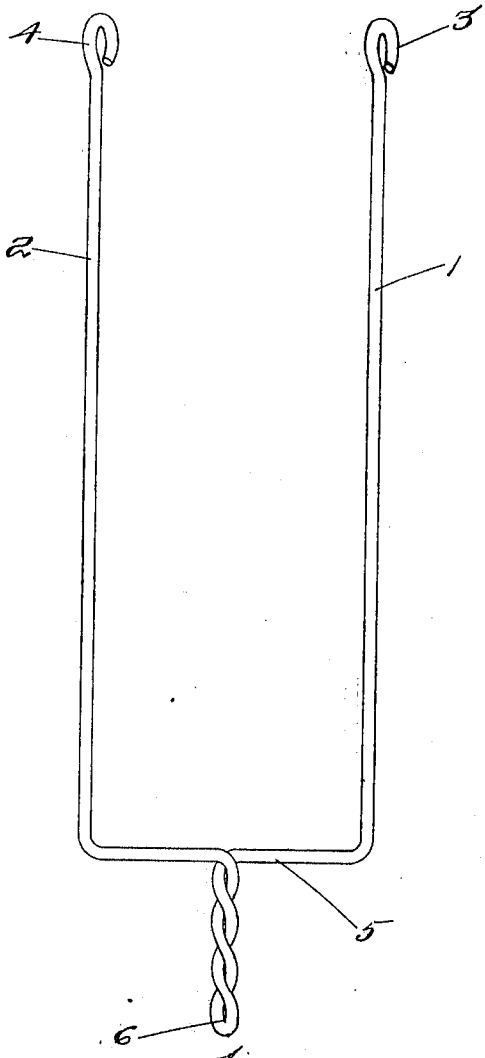

Fig. 2.

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UNITED STATES PATENT OFFICE.

DENNIS T. FRENCH, OF EXETER, NEW HAMPSHIRE, ASSIGNOR TO FRENCH UPPER HANGER COMPANY, OF EXETER, NEW HAMPSHIRE, A COPARTNERSHIP.

UPPER-HANGER.

956,069. Specification of Letters Patent. **Patented Apr. 26, 1910.**

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To all whom it may concern:

Be it known that I, DENNIS T. FRENCH, citizen of the United States, residing at Exeter, in the county of Rockingham and State of New Hampshire, have invented a certain new and useful Improvement in Upper-Hangers, of which the following is a specification, reference being had therein to the accompanying drawings.

In shoe factories it is customary to make up the shoes in lots of sufficient size for a case, one dozen, two dozen, or more, according to the size of the case, and to keep all of the shoes belonging to that particular lot together as they pass from one operator to another in the different stages of making up the shoes. For convenience in keeping the shoe uppers together and of carrying them when necessary from one point in the shop to another, it has been customary to tie them together in bundles when they have been stitched; then when the lot is finished, to carry them to the lasting room where the next operation is to be performed.

The object of the present invention is to provide a holder combined with a hanger of simple construction in such form that the hanger may be readily attached to and detached from the holder, the hanger when connected with the holder serving as a guard to prevent accidental displacement of the shoe uppers.

It is important for convenience to have the holder suspended at a suitable elevation to enable the workman to place the uppers upon the holder or remove them therefrom with as little movement of the body as possible. It is also important that the holder should be so constructed that the uppers will not become accidentally displaced therefrom and yet such that they can easily be removed when desired. It is customary also to accompany each lot of uppers with a tag on which is written proper data giving the case number, the number of pairs in the lot and various other data. It is desirable that the holder should be constructed in such manner that the tag can be easily attached to the holder and within easy reach. The style of holder which is generally regarded as being the most convenient is in the form of a hanger which can be suspended from some overhead support such as a wire at sufficient height so that the workman can easily hang it on its support while he is standing on the floor.

The invention will be fully understood from the following description taken in connection with the accompanying drawings, and the novel features are pointed out and clearly defined in the claims at the close of the specification.

In the drawings,—Figure 1 is a perspective view of a hanger having two arms embodying the invention. Fig. 2 shows the holder member detached from the suspension member. Fig. 3 is a plan view of the suspension member.

Referring to the drawings,—the body of the holder is formed of a single rod, preferably steel, bent in such form as to provide two upright arms 1, 2, terminating respectively in eyes 3, 4, the middle of the rod being bent to form a bottom connecting portion 5 between the two arms, said connecting portion 5 being in turn bent to form a twisted loop 6 which is adapted to have a tag tied thereto. The shoe uppers are to be strung upon the arms 1, 2, before the suspension member is connected therewith. I provide a suspension member having a guard which, after the shoe uppers are strung upon the arms of the holder, may be passed through the eyes 3, 4, of the holder to prevent the displacement of the uppers and provide a hook or hanger integral with the guard. As shown in Fig. 1 this suspension guard and hanger consist of a single rod bent to form a cross-bar 7 terminating at one end in a reversely bent portion 8 and terminating at the other end in a reversely bent portion 9 which is bent back to substantially half the length of the cross-bar portion 7 and then is bent upwardly to form an upright portion 10 terminating in a hook 11, said hook 11 being adapted to engage any suitable support from which the device can be suspended. The reversely bent portion 8 extends only part way toward the upright portion 10, leaving a space between the end of the portion 8 and the upright portion 10. The rod of which the holder is made is springy so that the two arms 1, 2, may be squeezed toward each other until the eyes 3, 4, are close together as shown in dotted lines in Fig. 1, and then the hanger may be easily removed by turning it up on one side so as to slide the cross-bar and reversely bent portion 8 out through

the eyes of both arms, the space between the open end of the bent portion 8 and the upright portion 10 being sufficient to allow the passage of the eyes 3, 4.

Preferably, when the hanger is detached from the arms 1, 2, the arms 1, 2, stand substantially parallel with each other as shown in Fig. 2, the cross-bar 7 being a little shorter than the normal distance between the upper ends of the two arms 1, 2,—that is, shorter than the base portion 5, so that when the hanger is connected with the arms, there will be an outward spring pressure of the arms 1, 2, against the curved portions of the hanger at the end of the cross-bar 7 serving to keep the arms in the distended position. The device thus constructed has only two members. The holder proper is made of one continuous rod and the hanger, hook and guard are made of one other continuous rod.

What I claim is:

1. A support and hanger of the character described having two upright arms and a connecting base formed of a single rod in combination with a detachable hanger member consisting of a single rod having a guard portion shorter than the distance between the lower ends of said arms and adapted to interlock with the upper ends of said arms, whereby the upper ends of the arms are drawn closer together than the lower ends of the arms and against the outward pressure of the arms.

2. A support and hanger of the character described having two upright arms and a connecting base formed integral with each other, the upper ends of said arms being bent to form eyes, in combination with a detachable hanger having a cross-bar guard passing through the eyes of both arms and terminating at one end in a hanger portion integral with said cross-bar portion, said cross-bar and hanger being formed integral with each other, said cross-bar portion being shorter than the distance between the lower ends of said arms, the guard bar terminating at its other end in a guard hook to normally prevent accidental disengagement and whereby when the upper ends of the two arms are pressed toward each other the hanger may be engaged with or detached from said arms.

3. A support and hanger of the character described having two upright arms and a connecting base formed of a single rod, the upper ends of said arms being bent to form eyes, in combination with a detachable hanger member having a guard portion passing through the eyes of both arms and terminating at one end in a suspension portion integral with said guard portion, said guard and hanger being formed of a single rod, the guard bar terminating at its other end in a guard hook to prevent accidental disengagement and whereby when the upper ends of the two arms are pressed toward each other the hanger may be engaged with or detached from said arms, the middle portion of the connecting base being formed into a downwardly extending loop.

4. A support and hanger of the character described having two upright arms and a connecting base formed of a single rod, the upper ends of said arms being bent to form eyes, in combination with a detachable hanger member having a cross-bar guard passing through the eyes of both arms and terminating at one end in a hanger portion integral with said cross-bar portion, said cross-bar and hanger being formed of a single rod, the guard bar terminating at its other end in a guard hook, the upright portion of the hanger being in a line substantially midway between the two arms.

5. In a device of the character described, a holder member consisting of a single rod bent to form two upright arms and a connecting horizontal base portion, the ends of said arms being bent to form eyes, in combination with a hanger portion consisting of a single rod bent in such manner as to form a cross-bar adapted to be detachably engaged with the eyes of both of said arms and bent also to form an upright portion terminating in a hook.

6. In a device of the character described, a holder member composed of a single rod having upright arms and an intermediate connecting base portion, in combination with a hanger member consisting of a single rod having a guard portion adapted to interlock with the upper ends of said arms and a suspension hook portion integral with said guard portion.

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

DENNIS T. FRENCH.

Witnesses:
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