Dec. 20, 1927. 1,653,058

N. T. NELSON

BRACELET HOOK

Filed Aug. 16, 1926

Fig. 1.

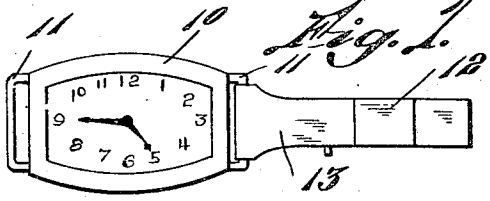


Fig. 3.

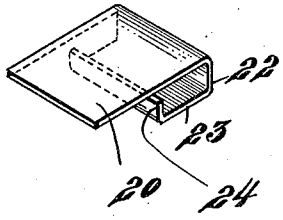
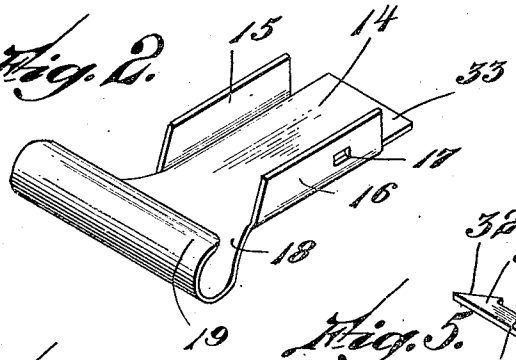


Fig. 2.



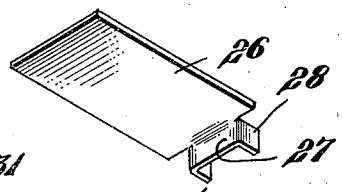


Fig. 5.

Fig. 4.

Fig. 6.

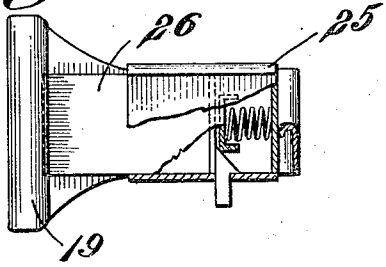
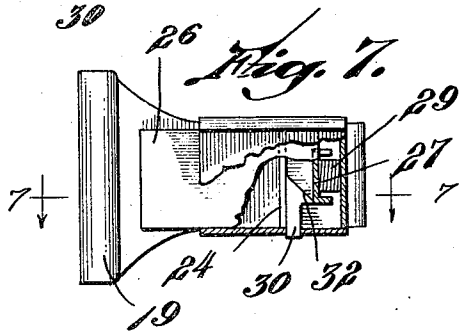


Fig. 7.



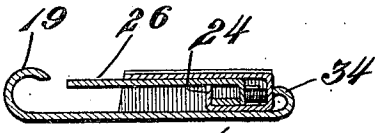
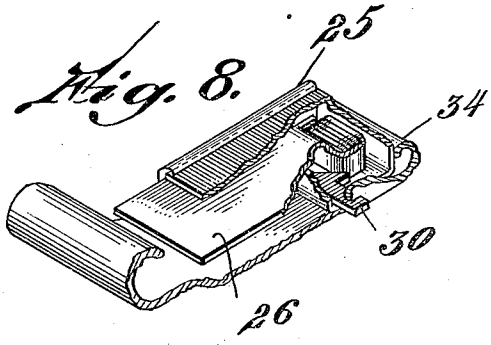


Fig. 9.

Fig. 8.



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UNITED STATES PATENT OFFICE.

NELS T. NELSON, OF ATTLEBORO, MASSACHUSETTS, ASSIGNOR TO J. F. STURDY'S SONS CO., OF ATTLEBORO FALLS, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

BRACELET HOOK.

Application filed August 16, 1926, Serial No. 129,314.

This invention relates to a bracelet end hook of the type more particularly adapted for attaching the end of a watch bracelet to the bail of a wrist watch; and the object of this invention is to provide a simple and practical construction of such a hook having a closing tongue operable through the side thereof.

A further object of the invention is to mount a slidable closing tongue in the hook and to provide means for operating the tongue so located as to extend and be operable through the side wall of the hook to leave the top surface unbroken to enhance the ornamental appearance of the bracelet.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a top plan view of a wrist watch with a portion of the bracelet connected to one of the bails thereof, the connection being by means of my improved bracelet hook.

Figure 2 is a perspective view of the top portion of the body with the shank extending therefrom and hook-shaped at its end.

Figure 3 is a perspective view of the bottom wall folded into the shape it assumes in the body of the hook.

Figure 4 is a perspective view of the sliding tongue.

Figure 5 is a perspective view of the presser member.

Figure 6 is a bottom plan view partly broken away to show the operating construction with the sliding tongue closing the hook.

Figure 7 is a view similar to Figure 6 showing the relation of the mechanism when the sliding tongue is withdrawn from the hook or in open position.

Figure 8 is a perspective view with the parts broken away to show their operative relation.

Figure 9 is a sectional side elevation through substantially the center of the device.

It is found in the use of bracelet hooks of this character that many users abuse the end hooks in attaching and detaching them from wrist watches by twisting the spring closing tongue to such an extent that the hook is oftentimes not securely closed to lock the same to the bail of the wrist watch, which often causes loss of the bracelet and the watch connected thereto and to avoid such results, I have provided a sliding or otherwise movable tongue which does not depend upon the resiliency of the stock to close it and which is positive in its closing action and not liable to be so bent that it fails to function. I have also provided a presser member for operating the sliding tongue which extends through the side wall of the hook and has a movement substantially at right angles to the sliding action of the hook by means of which the tongue may be withdrawn to permit the hook to be readily attached or detached from the watch the tongue being automatically closed by a spring when the presser member is released; and the following is a detailed description of one construction of hook by which these advantageous results may be accomplished:—

With reference to the drawings, 10 designates a wrist watch having bail members 11 at either side thereof to which is attached the ends of a bracelet chain or strap 12 by means of end hooks 13. The end hook consists of a body portion having a top wall 14 with side walls 15 and 16, the latter having an opening 17 for the purpose hereinafter described.

The top wall 14 is extended longitudinally of the body to form a shank 18 which is folded or bent at one end to form a hook 19, as is clearly illustrated in Figure 2. Spaced from the top wall 14 there is a bottom wall 20 which is folded to form an end wall 22 with a portion 23 extending along the top wall and bent at substantially right angles thereto to form a lip 24, the edge of which is spaced from the wall 20. The bottom wall is secured in the body by rolling over the edges of the side walls 15 and 16 as at 25. A tongue 26 shaped, as illustrated in Figure 4, is slidable along the inner surface

of the bottom wall 20 as is illustrated in Figure 9, the same being bent to form a shoulder or abutment 27 which is located between the lip 24 and the end wall 22 and the tongue is also provided with portions bent to form guides or projections 28 extending from the shoulder or abutment 27 between which is located the spring 29, which acts between the end wall 22 and the abutment or shoulder 27 to press the tongue 26 to close the hook-shaped end 19 of the device.

The tongue is retracted against the spring by means of an endwise movable presser member 30 having a wedge-shaped inner end 31, the inclined surface 32 of which engages the abutment or shoulder 27 of the tongue to move the same to open the hook upon an inward movement of the presser member. The presser member is guided along the lip 24, which lip also forms a stop to limit the closing movement of the tongue 26, the lip being located in position to permit the tongue 26 to extend slightly under the hook as illustrated in dotted lines in Figure 6, to support and strengthen the same.

This hook may be attached to the end link of a bracelet by any suitable means that illustrated being the provision of a portion 33 extending from the top wall of the bracelet and rolled as at 34 to provide a suitable loop or eye through which an attaching member may extend.

From the foregoing it will be seen that I have provided simple and durable construction of end hook having a slidable tongue, the tongue being operable through the side wall of the device by an endways presser member thus leaving the top wall unbroken to receive ornamentation.

The foregoing description is directed solely towards the construction illustrated, but I desire it to be understood that I reserve the privilege of resorting to all the mechanical changes to which the device is susceptible, the invention being defined and limited only by the terms of the appended claims.

I claim:

1. A bracelet hook comprising a body portion having a hook at one end, a hook-closing tongue mounted in the body, and an endways movable member extending through the side of the body for moving the tongue to open the hook by a movement thereof laterally of the hook.

2. A bracelet hook comprising a body portion having a hook at one end, a hook-closing tongue mounted in the body, an endways movable member extending through the side of the body for moving the tongue to open the hook by a movement thereof laterally of the hook and a spring for returning the tongue to closed position.

3. In a bracelet end hook, a tongue mounted to slide lengthwise of the device for closing the hook, a member mounted to move laterally of the device, and means responsive to the movement of said member laterally of the device for operating said tongue.

4. A bracelet hook comprising a body portion having side walls, a shank with a hook-shaped end, a sliding tongue in said body for closing said hook-shaped end, and a member extending through one of said side walls and movable laterally of the body for operating said tongue.

5. A bracelet hook comprising a body portion having top, bottom and side walls, a shank extending from said body with a hook-shaped end, a sliding tongue for closing said hook-shaped end, a spring for pressing said tongue to closed position, and a presser member extending through one of said side walls for withdrawing said tongue by a movement at right angles thereto against the action of said spring to open said hook.

6. A bracelet hook comprising a body portion having side walls, a top wall extended to form a shank with a hook-shaped end, a tongue slidably mounted in said body to close said hook-end, and means extending through one of said side walls for operating said tongue.

7. A bracelet hook comprising a body portion having side walls, a top wall extended to form a shank with a hook-shaped end, a bottom wall spaced from the top wall, a tongue between said top and bottom walls, a spring engaging said tongue to slide it to close said hook end, and a member extending through one of said side walls for opening said tongue against the pressure of said spring.

8. A bracelet hook comprising a body portion having side walls, a top wall extended to form a shank with a hook-shaped end, a tongue slidably mounted in said body to close said hook-end, an abutment carried by said tongue, a presser member extending through one of said walls having a surface inclined to its direction of movement and engaging said abutment for withdrawing said tongue against the action of said spring.

9. A bracelet hook comprising a body portion having a shank with a hook-shaped end, a tongue for closing said hook end slidably mounted in said body and having an abutment surface, a presser member movably mounted in said body having a surface engaging said abutment surface, one of the engaging surfaces being inclined to the direction of movement of the presser member whereby a movement of said tongue is effected by the operation of said member.

10. A bracelet hook comprising a body portion having side walls, a top wall extended to form a shank with a hook-shaped end, a bottom wall spaced from the top wall and folded to provide an end wall, a tongue slid-

able along said bottom wall for closing said hook end, a shoulder on said tongue, projections on said shoulder extending toward said end wall, a spring acting between said end wall and shoulder and guided by said projections for pressing said tongue to closed position, a stop for limiting the closing of said tongue, a wedge-shaped presser extending through one side wall and guided in its movement by said stop, and an inclined face on said presser engaging said shoulder, whereby a movement thereof withdraws said tongue from closed position against the action of said spring.

In testimony whereof I affix my signature.

NELS T. NELSON.