

No. 809,020.

PATENTED JAN. 2, 1906.

F. W. SEIDL.
SWIVEL.

APPLICATION FILED APR. 6, 1905.

Fig. 1.

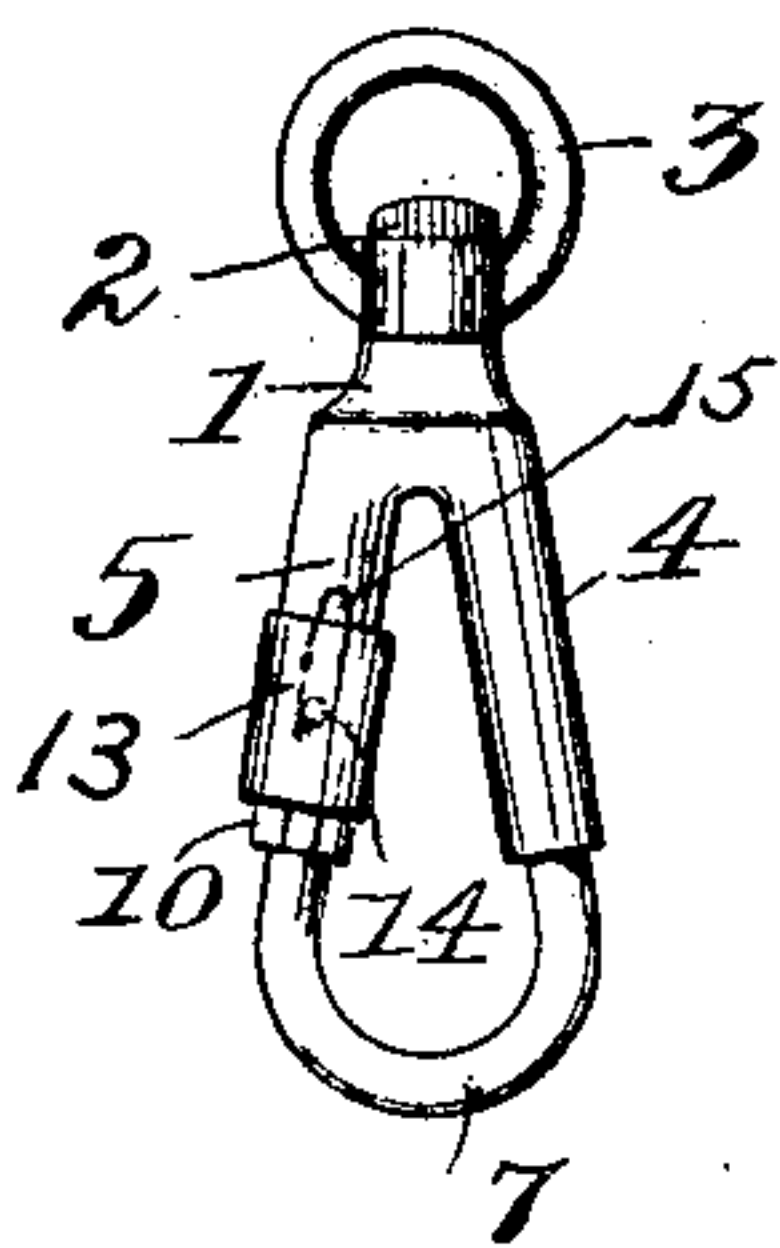


Fig. 2.

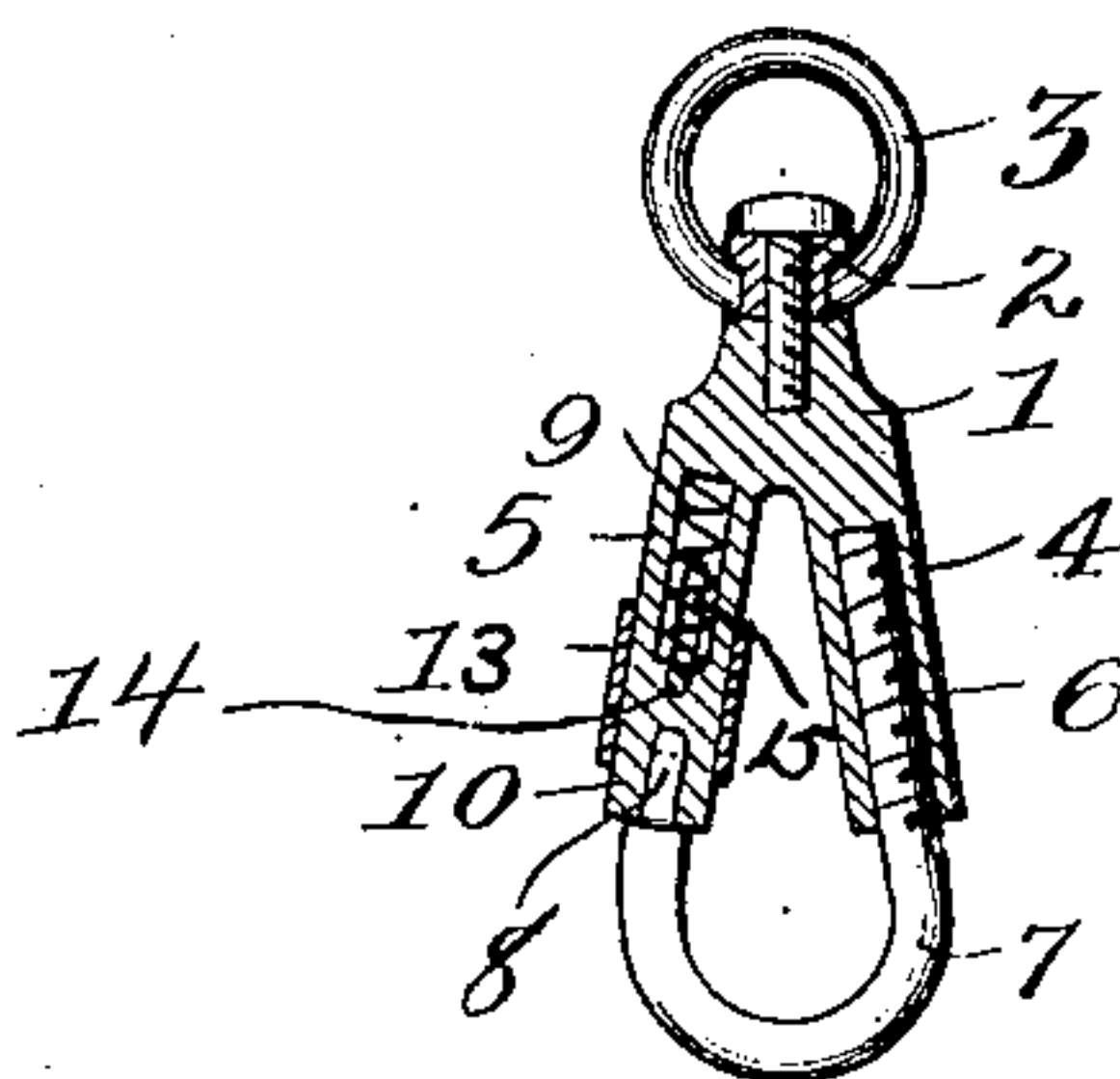


Fig. 3.

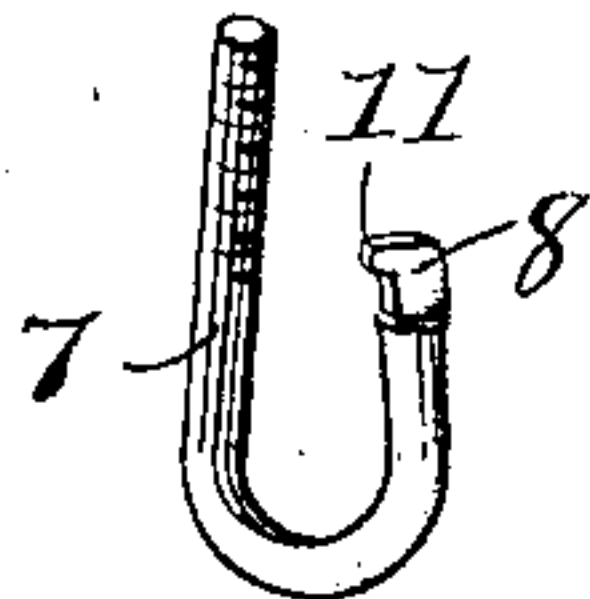
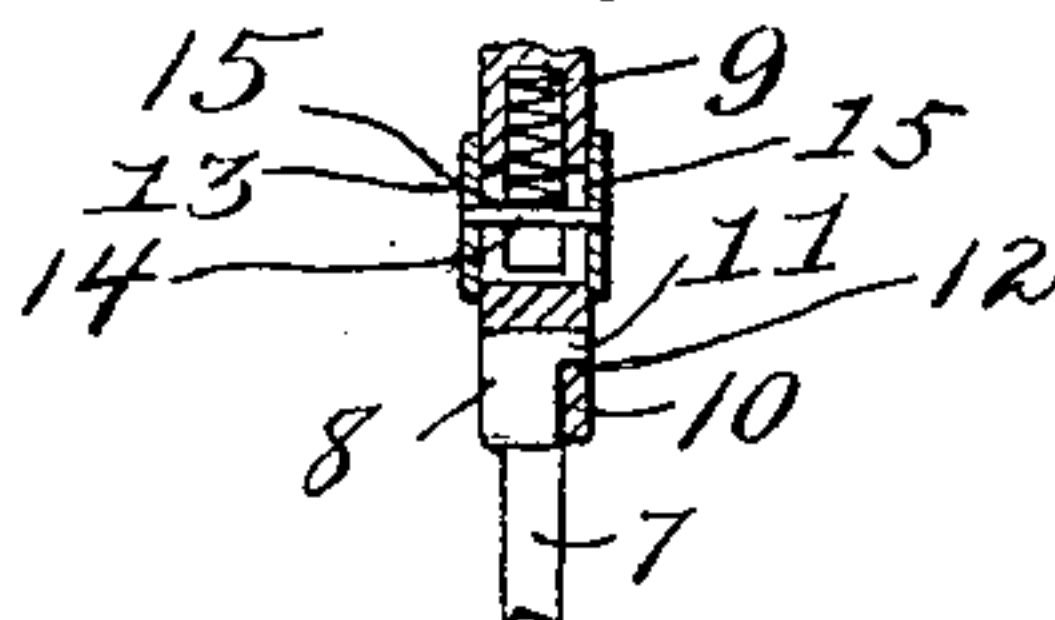


Fig. 4.



Witnesses
Frank G. Campbell.
E. M. Bond

Inventor
F. W. Seidl,
by *Marion T. Marion*
Attorneys

UNITED STATES PATENT OFFICE.

FRANK W. SEIDL, OF MANITOWOC, WISCONSIN.

SWIVEL.

No. 809,020.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed April 6, 1905. Serial No. 254,259.

To all whom it may concern:

Be it known that I, FRANK W. SEIDL, a citizen of the United States, residing at Manitowoc, in the county of Manitowoc and State of Wisconsin, have invented new and useful Improvements in Swivels, of which the following is a specification.

This invention relates to certain new and useful improvements in watch-swivels; and it has for its objects, among others, to provide an improved swivel which shall be strong and capable of receiving a thick watch-bow and which shall be practically safe against accidental opening, yet readily opened when it is desired to introduce or remove a watch-bow.

I form the swivel so that the hook shall open sidewise, and when in its closed position it is hidden and protected by a sliding sleeve, spring-held, and yet easily moved to allow of the opening of the swivel when desired.

The swivel is neat in appearance, can be made strong yet light, and the method of operation is not easy to perceive by casual inspection.

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 its preferred form is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification, and in which—

Figure 1 is an elevation of my improved swivel. Fig. 2 is a substantially central longitudinal section through the same. Fig. 3 is a detail of the hook part removed. Fig. 4 is a sectional detail with a portion in elevation, showing the hook engaged in its socket.

Like numerals of reference indicate like parts in the different views.

Referring now to the details of the drawings, 1 designates the body portion of the swivel, having a screw-threaded opening at its upper end to receive the screw 2, which serves to hold the ring 3 on the body, the said ring being free to turn, as in the ordinary construction of watch-swivel. The body portion 1 is provided with the branches or portions 4 and 5, one of which is provided with the interiorly-threaded socket 6, in which is detachably and adjustably threaded the hook portion 7, the free end of which is enlarged and formed into the latch or shouldered portion 8, as seen clearly in Figs. 3 and 4. The other branch of the body portion is made hollow, as seen in Fig. 2, and

within this hollow portion is a spring 9. The lower end of this branch 5 is formed with the socket portion 10, into which is designed to be received the hooked end 8 of member 7, as seen clearly in Fig. 4. This socket portion is of course hollow, and the free or tip end 11 of the hook portion 8 extends through a small opening in the wall of this socket, as seen at 12 in said Fig. 4.

13 is a sleeve mounted to slide upon the branch 5, and through this sleeve extends a pin 14, which works through slots 15 in opposite sides of the hollow portion of said branch, as seen clearly in Figs. 2 and 4, said pin having one end of the spring 9 bearing thereagainst, as seen in Fig. 4.

In operation the swivel is shown as closed in Fig. 1. In order to open the same, the sleeve 13 is pushed upward toward the ring end of the body portion, the pin 14 compressing the spring 9, and when the sleeve has been moved so that its lower end is in a position so that it is clear of the upper end of the hook, in which position it is seen in Fig. 4 with the spring compressed, the hook 7 may be turned outward, so as to disengage the portion 8-11 from the socket in the branch 5. The watch-bow being inserted or removed, the sleeve is allowed to return to its normal position, having first, of course, turned the hook portion 7, so that its ends 8 11 will be engaged in its socket, and then when the sleeve returns to its normal position the joint is covered and the hook firmly locked in its closed position.

From the above it will be seen that I have devised a simple cheap, yet strong and efficient watch-swivel, and while the structural embodiment of the invention as hereinbefore set forth is what I at the present time consider preferable it is evident that the same is subject to changes, variations, and modifications without departing from the spirit of the invention or sacrificing any of its advantages. I therefore do not restrict myself to the details of construction herein disclosed, but reserve the right to make such changes, variations, and modifications as come properly within the scope of the protection prayed.

What is claimed as new is—

1. A swivel comprising a body portion with branches, a hook screw-threaded and mounted to turn in one of said branches, and a sleeve mounted to slide upon the other branch and to cover the end of the hook when closed, said other branch having a socket to receive said hook.

2. A swivel comprising a body portion with branches, a hook portion having a shank screw-threaded and mounted to turn in one of said branches, the other branch having at its free
5 end a socket to receive said hook portion, a sleeve mounted to slide upon the other branch, and a spring within said branch adapted to be put under compression by the movement of said sleeve.
- 10 3. A swivel comprising a body portion with branches, one of which is internally threaded and the other having a hollow portion with slotted walls, a hook mounted in the threaded

branch and adapted to a socket in the end of the other branch, a sleeve mounted to slide 15 upon the hollow member, and a pin passed through said sleeve and through the slotted walls of the said member, and a spring within the said hollow portion in the path of movement of said spring. 20

In witness whereof I have hereunto set my hand in the presence of two witnesses.

FRANK W. SEIDL.

Witnesses:

HARVEY ECHTENACHER,
ARTHUR WASCHER.