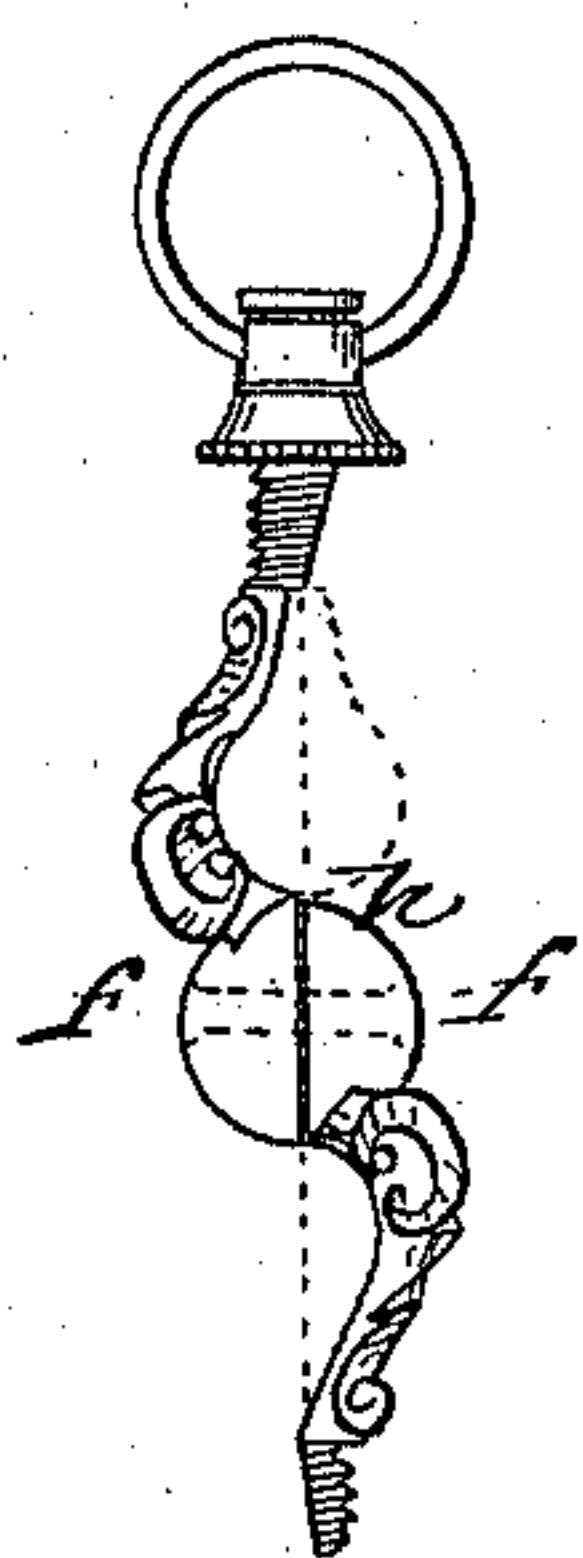
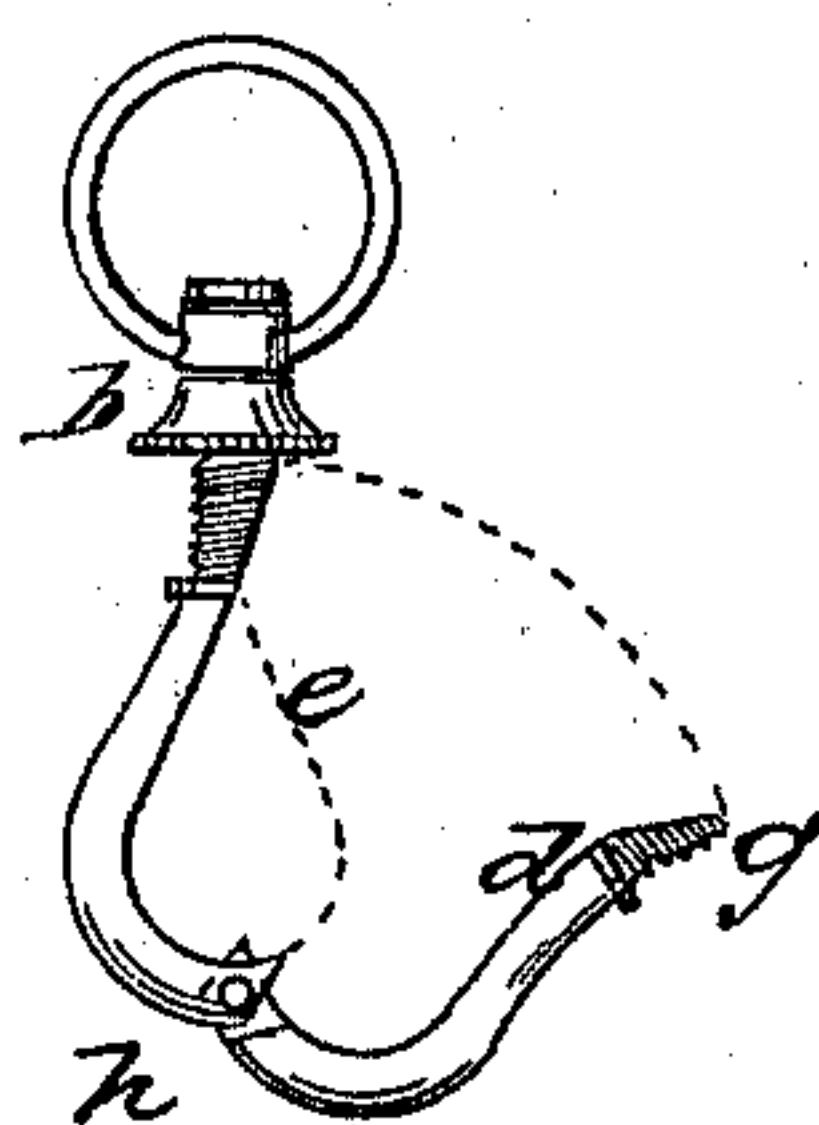


*E. Bliss,*  
*Watch-Chain Attachment,*  
*N<sup>o</sup> 12,538.      Patented Mar. 20, 1855.*

*Fig. 2*



*Fig. 1*



*Witnesses*

*W. C. Baldwin*  
*M. M. Conner*

*Inventor*

*Elihu Bliss*



# UNITED STATES PATENT OFFICE.

ELIHU BLISS, OF NEWARK, NEW JERSEY.

## SWIVEL FOR WATCH-CHAINS.

Specification of Letters Patent No. 12,538, dated March 20, 1855.

*To all whom it may concern:*

Be it known that I, ELIHU BLISS, of the city of Newark, county of Essex, and State of New Jersey, have invented and produced  
5 a new and Improved Swivel for Watch-Chains and other Purposes; and I hereby declare that the following is a full and exact description of the same, and desire that the drawings hereto attached may be taken  
10 as a part of said description.

The swivel heretofore in use and as now manufactured by jewelers and silversmiths is constructed with a joint in the loop of the swivel, which allows one side of the loop to  
15 open by means of a hinge or joint (*h* Figure 1) so as to receive the ring of the watch or other attachment as may be seen open in Fig. 1, where it is represented by letter "*d*." The dotted lines letter "*e*" show its position  
20 when closed, it being kept closed by the screw "*b*" which is screwed down until it embraces and holds the end "*g*" of the side "*d*." My new swivel is made in the same manner, with this exception, to wit I make

a different hinge or joint. Instead of fitting 25 the two pieces of the loop so as to lap on to each other as seen at the joint "*h*" Fig. 1, I match the ends of the two pieces exactly together as seen at "*h*" Fig. 2 so that they set together the same as if the loop had been 30 made whole, in one piece and had been sawed or cut in two at the joint, and fasten them together by a pivot "*f*" Fig. 2. When the loop is opened the loose side turns over side-wise as in Fig. 2 and not directly away from 35 the fast-side as in Fig. 1. The alteration is very simple and apparently slight but is of the greatest importance in the saving of work.

What I claim as my invention, and desire 40 to secure by Letters Patent is—

The specific arrangement of the joint of the swivel in the manner and for the purpose substantially as above set forth.

ELIHU BLISS.

Witnesses:

M. M. SOMMER,

THEO FRELINGHUYSEN, Jr.