

J. E. WIGHTMAN.  
Snap-Hook.

No. 224,622.

Patented Feb. 17, 1880.

Fig. 1.

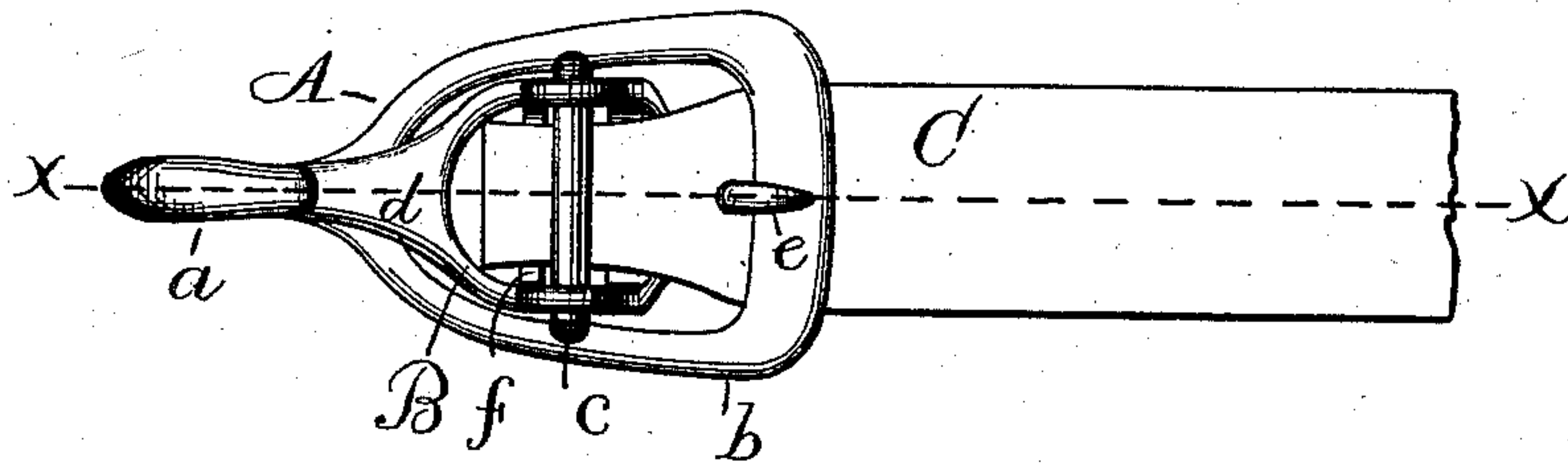


Fig. 2.

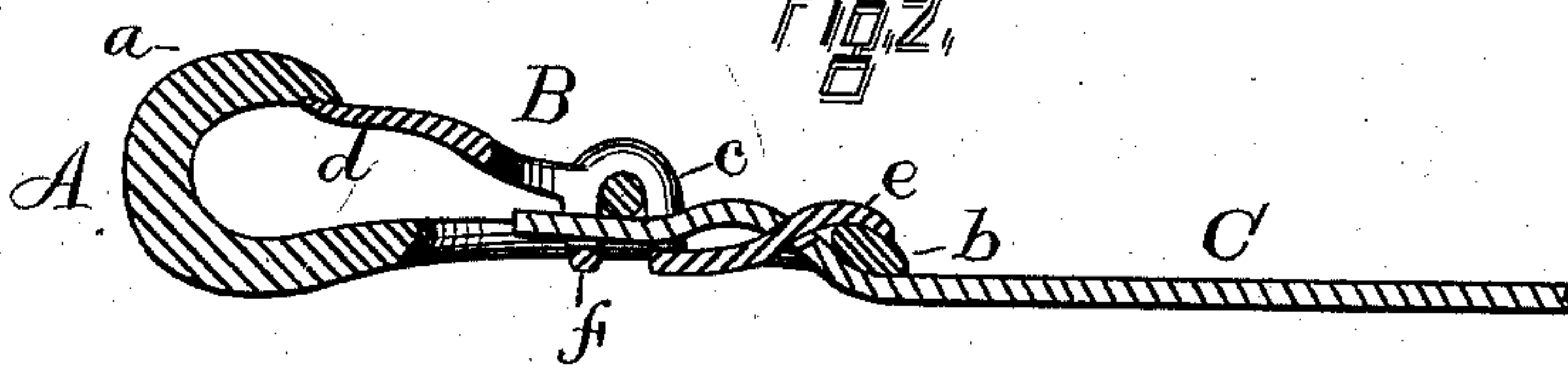


Fig. 3.

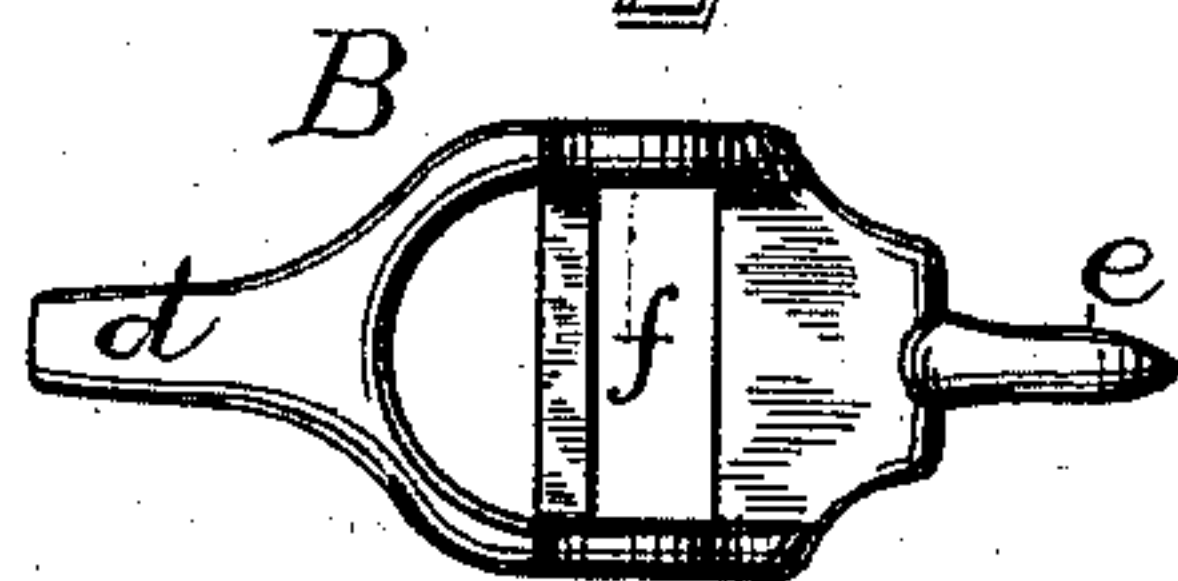
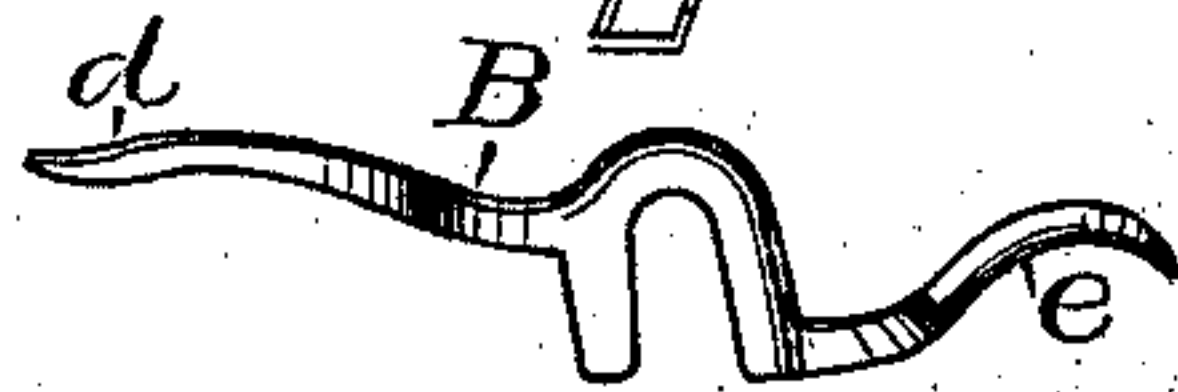


Fig. 4.



Witnesses,  
John Edwards Jr.  
K. C. Mitchell.

Inventor,  
John E. Wightman  
By James Shepard  
Atty.



# UNITED STATES PATENT OFFICE.

JOHN E. WIGHTMAN, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO NORTH  
& JUDD MANUFACTURING COMPANY, OF SAME PLACE.

## SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 224,622, dated February 17, 1880.

Application filed November 13, 1879.

*To all whom it may concern:*

Be it known that I, JOHN E. WIGHTMAN, of New Britain, in the county of Hartford and State of Connecticut, have invented certain  
5 new and useful Improvements in Snap-Hooks, of which the following is a specification.

My invention relates to the manner of and means for securing the snap-hook to its strap and for holding the snap-tongue in place, all  
10 as hereinafter described.

In the accompanying drawings, Figure 1 is a front elevation of a snap-hook with strap secured which embodies my invention. Fig. 2 is a longitudinal section of the same on line *x*  
15 *x* of Fig. 1. Fig. 3 is a front elevation of a detached part thereof, and Fig. 4 is a side elevation of the same.

A designates a snap-hook frame having the ordinary hooked end *a*, substantially like an  
20 ordinary snap-hook, and at the opposite end a buckle-frame, *b*, substantially like that of an ordinary buckle, and between said hooked end and buckle-frame a transverse bar, *c*, which answers as the axle or pivot for the frame B  
25 of the snap-hook and buckle-tongues *d* *e*, respectively. The opposite ends of this frame B are provided with substantially the ordinary snap-hook tongue D and buckle-tongue *e*, both rigidly connected in one and the same piece  
30 by the intermediate or body portion of said frame, which is widened out so as to form two bearings (see Figs. 1 and 3) for embracing the transverse or axle bar *c* of the main frame A.

The bearing portions in side view are U-  
35 shaped, open on the bottom, for convenience of casting and putting in place without fitting.

The body of the buckle-tongue *e* is offset at its inner end, and is somewhat below or inside of the axle-bar *c*, and in the same plane there-  
40 with, on the opposite leg of the U, is a bar, which forms a loop, *f*, into which to tuck the

free end of the strap C, the middle of the frame B being open between the bearing portions, so as to receive said end of the strap, as shown.

I design to have the parts cast and properly cleaned, tinned, or japanned, after which it is only necessary to place the frame B on the frame A, tuck the end of the strap C through the buckle end of the frame, insert the buckle-  
50 tongue through the strap, and then tuck the free end through or under the loop *f*, as shown in Figs. 1 and 2, when the strap acts to hold the frames A and B together, and the device is ready for use.

The elasticity of the leather strap thus connected is sufficient to keep the snap-tongue properly engaged with its hook and in such manner as to allow the tongue to give for snapping to or unsnapping from any desired ring  
60 or staple, while under any considerable strain upon the snap and the strap connected thereto the snap-tongue is held firmly in place.

I am aware that a prior patent shows a snap-hook and buckle combined, in which the hook  
65 and buckle-tongues are rigidly formed in one piece, and that the elasticity of the strap answered as a substitute for the usual spring; and I hereby disclaim the same.

I claim as my invention—

In a snap-hook, the tongue *d* and its frame, having open U-shaped bearings, which receive the axle of said tongue, and the bar which forms the loop *f* to receive the end of the strap for holding the tongue on its axle, substan-  
75 tially as described, and for the purpose specified.

JOHN E. WIGHTMAN.

Witnesses:

H. C. NOBLE,  
E. H. KELLEY.