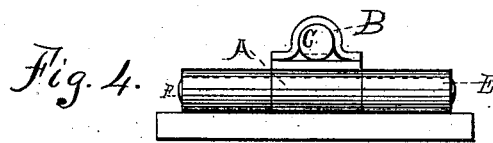
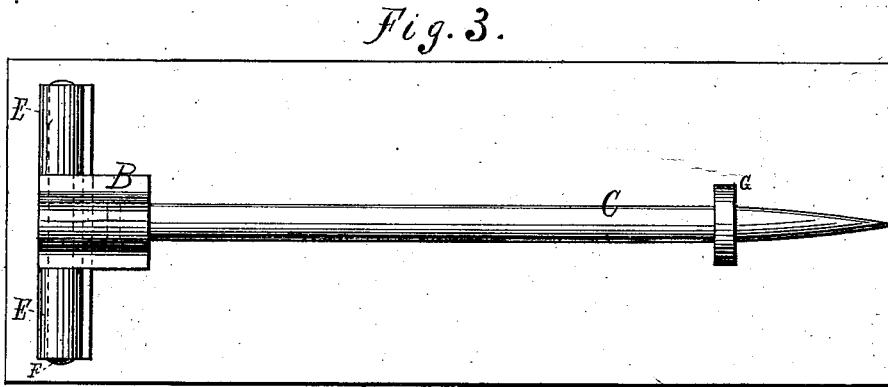
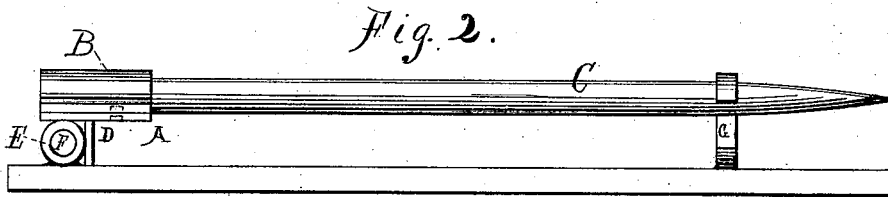
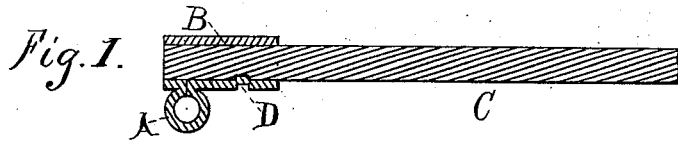


C. E. SMITH  
Breast-Pin Fastening.

No. 197,745.

Patented Dec. 4, 1877.



Witnesses  
A. H. Wagner  
J. Orlando Harrison

Inventor  
Charles E. Smith

# UNITED STATES PATENT OFFICE.

CHARLES E. SMITH, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN BREASTPIN-FASTENINGS.

Specification forming part of Letters Patent No. **197,745**, dated December 4, 1877; application filed August 6, 1877.

*To all whom it may concern:*

Be it known that I, CHARLES E. SMITH, of the city of Brooklyn, county of Kings, and State of New York, have invented an Improvement in Breastpin-Tongues; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

The object of my invention is to make a breastpin-tongue without using solder in fastening the tongue to the part that is attached to the joint of the breastpin, said part being usually called the "hinge" part.

I first shape a piece of metal into a long hollow wire, having flanges on either side. Another strip is then made corresponding in length to that of the hollow wire, being corrugated crosswise. The combination of these two pieces by soldering them together makes one long strip, having sockets on one side and a hollow wire on the side opposite.

The tongue is then slotted and driven into

the sockets, forming a long comb of breastpin-tongues intact. The tongues are then more securely fastened by pressing the metal of the hinge part into the slots that were made in the tongues before driving them into the sockets. A saw passing between the tongues separates them, when they are ready to be adjusted to any breastpin-joint.

Figure 1 represents a sectional view in accordance with my improvement without being pointed. Fig. 2 is a side view. Fig. 3 is a front view, represented as being adjusted to a breastpin. Fig. 4 is an end view adjusted to a breastpin.

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

In a breastpin-fastening, the combination of the slotted tongue C with the transversely-corrugated strip B and flanged strip A, substantially as and for the purpose described.

CHARLES E. SMITH.

Witnesses:

FRANK G. HOBART,  
J. ORLANDO HARRISON.