A. McINTOSH.

Combined Thimble and Thread Cutter.

No. 213,124 Patented Mar. 11, 1879.

Fig. 1.

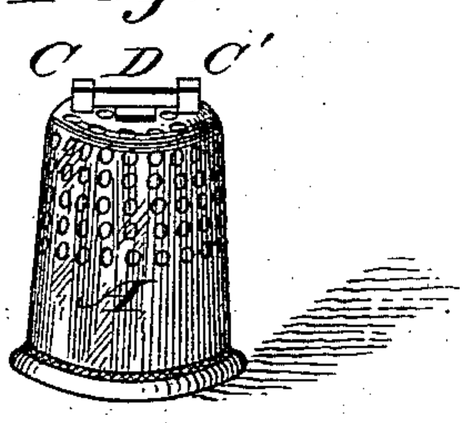

Fig. 2.

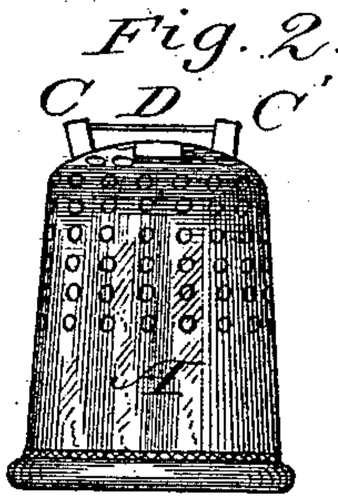

Fig. 3.

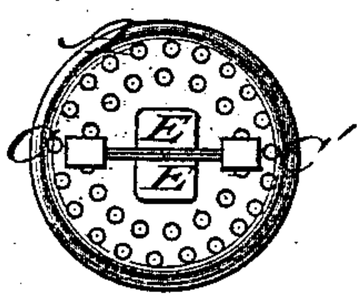

Fig. 4.

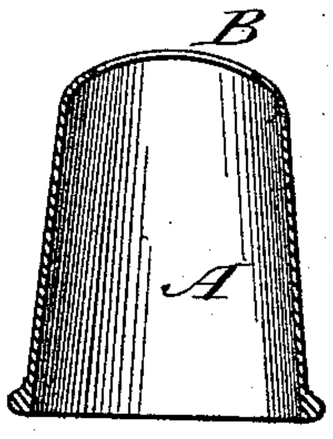

Fig. 5.

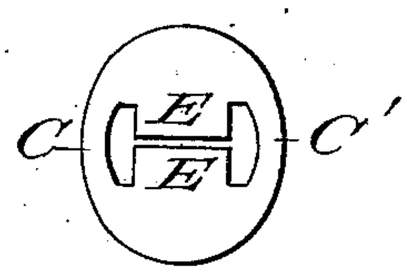

Fig. 6.

Attest:

Bart J. Hackett

Charles H. Mills

Inventor:

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UNITED STATES PATENT OFFICE.

ADAM McINTOSH, OF ALBANY, NEW YORK.

IMPROVEMENT IN COMBINED THIMBLE AND THREAD-CUTTER.

Specification forming part of Letters Patent No. **213,124**, dated March 11, 1879; application filed September 21, 1878.

To all whom it may concern:

Be it known that I, ADAM McINTOSH, of Albany, in the county of Albany and State of New York, have invented a new and useful improvement, consisting of a thread-cutter combined with and attached to a thimble, of which the following is a specification:

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective view of my combined thread-cutter and thimble. Fig. 2 is an enlarged side view of the same. Fig. 3 is a view of the top of thimble with the thread-cutter attached. Fig. 4 is an enlarged vertical section with the thread-cutter removed, to show the slot or opening in the top of said thimble. Fig. 5 shows the flange-plate punched in shape to form the ears or lugs; Fig. 6, the plate bent to pass through the groove or slot in the top of the thimble, thereby forming the ears or lugs to receive the blade of the thread-cutter.

A, Figs. 1, 2, 3, 4, represents the thimble, provided with a slot or opening, B, across the top, as shown at Fig. 4, (enlarged section,) to receive a flanged plate provided with ears or lugs C′ C, Figs. 1, 2, 3, to receive the blade or cutter D and lips or projections E E′, which are pressed down to hold said ears or lugs and the thread-cutter or blade firmly in place.

Fig. 5 shows the flange-plate punched to form the ears or lugs C C′, and having lips E E, which are pressed down firmly on the top of the thimble after the thread-cutter or knife D has been inserted in said ears or lugs. The flange-plate is then soldered on the inside of the thimble. Fig. 6 shows the flange-plate bent to form the ears or lugs C C′, ready to enter the slot or opening B, Fig. 4.

What I claim is—

In combination with the thimble, slotted at the end, the cutter-holding flange-plate C, constructed and applied in the manner substantially as specified.

ADAM McINTOSH.

Witnesses:

BART. J. HACKETT,

CHARLES H. MILLS.