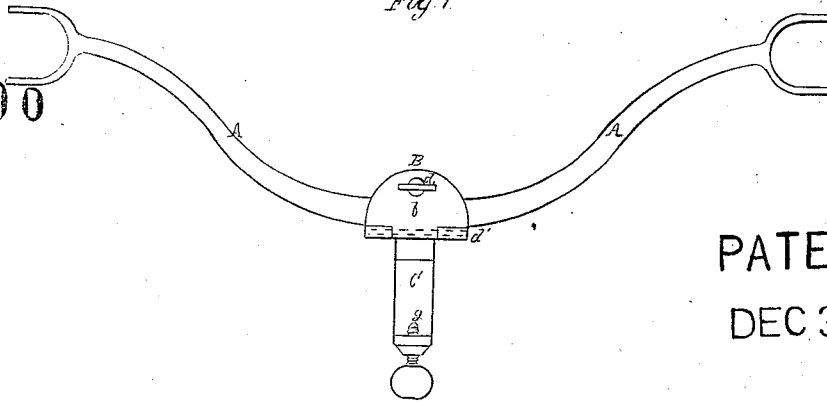


Eben M. Coffin's Improved Swift

72800

Fig. 1



PATENTED
DEC 31 1867

Fig. 2

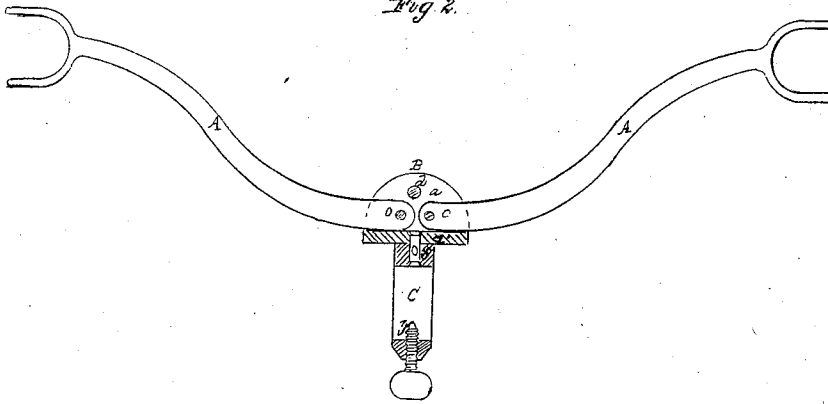
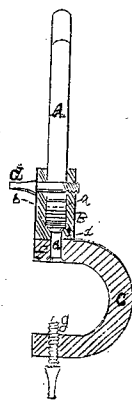


Fig. 3



Witnesses
L. A. P. per
J. B. Snow

E. M. Coffin,
by his attorney,
R. H. W. W.

United States Patent Office.

EBEN M. COFFIN, OF WOBURN, MASSACHUSETTS.

Letters Patent No. 72,800, dated December 31, 1867.

IMPROVEMENT IN SWIFT.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, EBEN M. COFFIN, of Woburn, in the county of Middlesex, and State of Massachusetts, have invented an Improved Swift for reeling a skein of thread or yarn; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation,

Figure 2 a longitudinal section, and

Figure 3 a transverse section of it.

In the drawings, A A are two furcated arms arranged between the two jaws *a b* of a rotary clamp, B, and applied to one of such jaws, so as to be capable of being moved on centres *c c* extended therefrom, the same being so as to enable the two arms to be moved on the centres *c c*, either toward or away from one another. A screw, *d*, goes through the movable jaw *b*, and screws into the other jaw, which is erected on a base, *d'*, to which the jaw *b* is hinged. A pivot or journal, *e*, projects down from the base of the clamp B, and turns in a bearing, *f*, made in another or screw-clamp C, which is formed and provided with a screw, *g*, in manner as represented in the figures.

By means of the clamp C the swift may be fixed to the edge of a table. The skein is to be placed within the forks of the two arms, and such arms are to be turned down until the skein may be stretched out with a sufficient tightness to keep it in the forks, while the arms and their clamp B may be put in revolution during the process of winding the skein.

I claim the improved swift as made of the two forked arms A A and the two clamps B C, arranged and combined substantially in manner as specified.

EBEN M. COFFIN.

Witnesses:

J. R. SNOW.

F. P. HALE, Jr.