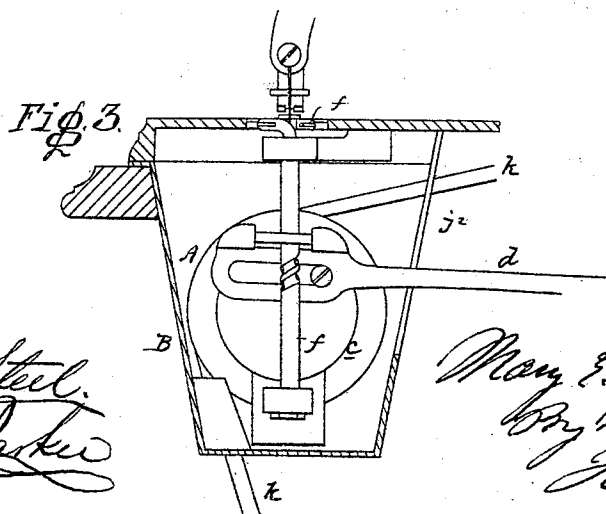
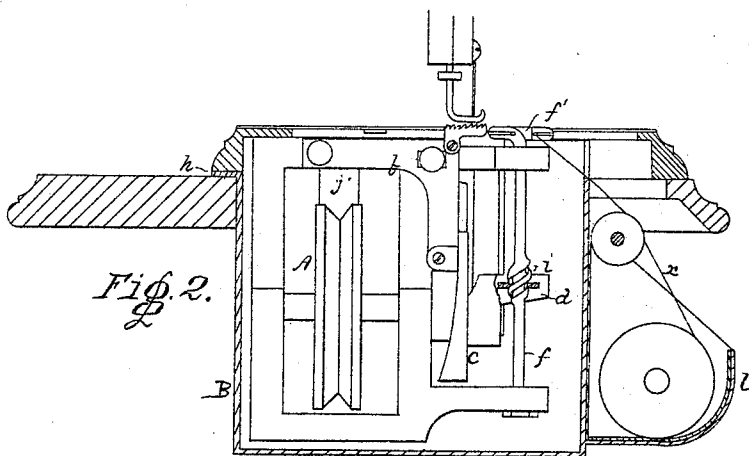
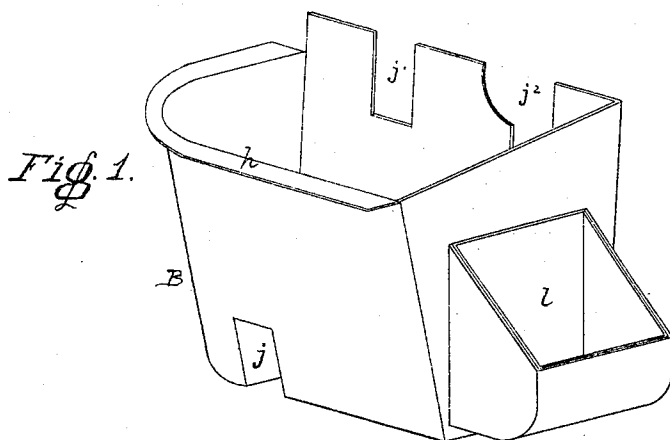


Mary E. Antrim
Attachment for the "Grover and Baker" Sewing Machine

No. 118,671.

Patented Sep. 5, 1871.



Witnesses

Wm. A. Steel.
John Parker

Inventor

Mary E. Antrim
By her Attys
H. H. Rowson

UNITED STATES PATENT OFFICE.

MARY E. ANTRIM, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 118,671, dated September 5, 1871.

To all whom it may concern:

Be it known that I, MARY E. ANTRIM, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Attachment for Sewing-Machines, of which the following is a specification:

My invention consists of a box or case adapted for attachment to the under side of a sewing-machine, and having a receptacle for a spool or other object, as fully described hereafter.

Figure 1 is a perspective view of my improved attachment for the Grover & Baker sewing-machine; Fig. 2, a sectional view of the same, showing a portion of the machine in dotted lines; and Fig. 3, a section on the line 1 2, Fig. 2.

In the Grover & Baker sewing-machine a considerable portion of the mechanism is arranged beneath the bed-plate, namely, a driving-pulley, A, feeding-devices *b*, a crank-wheel, *c*, by which a vertical reciprocating motion is imparted to an arm, *d*, and a vertical rod, *f*, rotated by the arm *d* and commonly known as the spiral rod. This latter has at its upper end a hook, *f'*, which carries the thread *x*, and which takes the place of the lower needle or shuttle of other sewing-machines. Owing to the manner in which the spiral rod is driven, (see Fig. 2,) its threaded or twisted portion *i* requires to be constantly and freely lubricated, so that when the machine is worked rapidly oil is apt to be thrown off by the said rod in such a manner as to soil the work or the dress of the operator. The operator's clothing is also frequently soiled by contact with other exposed

portions of the machine beneath the bed-plate. These objections I have overcome by inclosing the entire lower portion of the machine in a case or box, B, the form of which will be best observed in Fig. 1, this box being provided with a lip or flange, *h*, which extends partly around its upper edge, and which is inserted between the bed-plate of the machine and work-table X, and suitably secured to the latter, as shown in Figs. 2 and 3. Openings or slits *j*, *j'*, and *j''* are cut in the box for the passage of the driving-band *k* and of the arm *d*, and at one end of the said box is formed a spool-receptacle, *l*, which may be lined with any suitable soft material to prevent rattling when the spool is turned in unwinding the thread from the same.

This receptacle is preferable to the usual spindle for holding the spool, inasmuch as if the thread becomes slightly uncoiled from the spool it will not tangle, (as it would about the spindle,) but will be delivered freely as it is required for use.

I claim—

A case or box adapted for attachment to a sewing-machine, and provided with a receptacle, *l*, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MARY E. ANTRIM.

Witnesses:

WM. A. STEEL,
HARRY SMITH.