

(Model.)

J. C. BLACKETT.

Spinning Attachment for Sewing Machines.
No. 238,332. Patented March 1, 1881.

Fig. 1

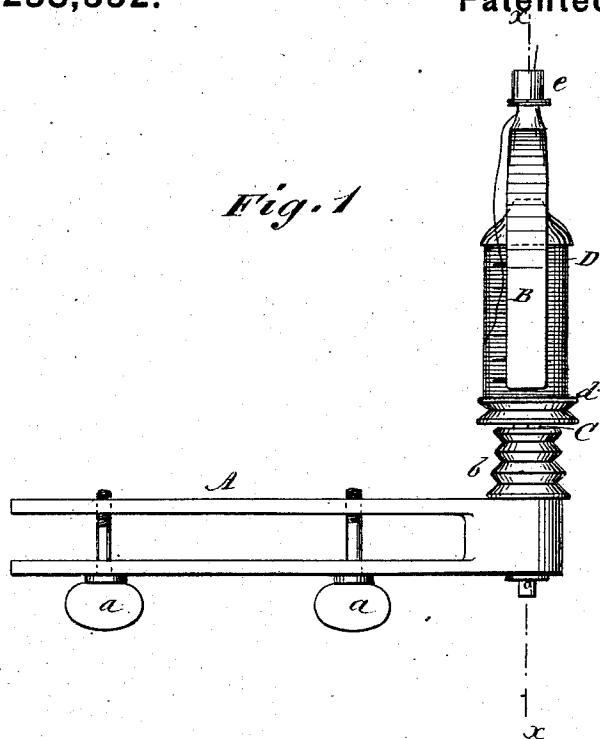
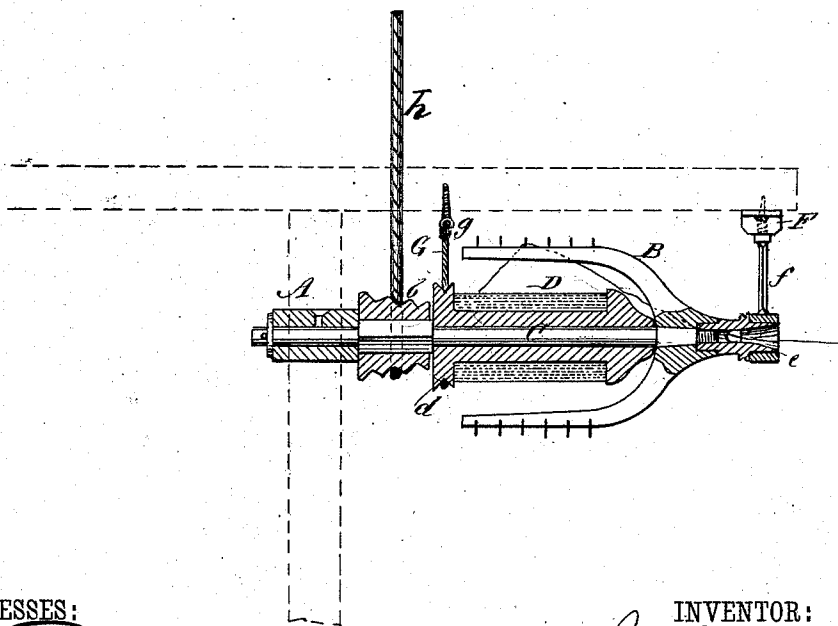


Fig. 2



WITNESSES:

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JOHN C. BLACKETT, OF LORWAY MINES, NOVA SCOTIA.

SPINNING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 238,332, dated March 1, 1881.

Application filed August 15, 1879.

To all whom it may concern:

Be it known that I, JOHN CHARLES BLACKETT, of Lorway Mines, Cape Breton, Nova Scotia, have invented a new and Improved Spinning Attachment for Sewing-Machines, of which the following is a specification.

The object of my invention is to furnish an apparatus for spinning yarn adapted for attachment to a sewing-machine, so as to dispense with the cumbersome spinning-wheel generally used with hand machines for spinning.

The invention will be described more particularly with reference to the accompanying drawings, and pointed out in the claim.

In the drawings, Figure 1 is an elevation of the spinning attachment. Fig. 2 is a sectional view on line *xx*, Fig. 1, showing the attachment as applied to the table of a sewing-machine.

Similar letters of reference indicate corresponding parts.

A is the clamp, provided with thumb-screws *a*. C is the spindle; B, the flier; D, the spool, having pulley *d*. *b* is the cone-pulley of the spindle, and *e* the mouth-piece or head of the spindle.

The clamp A is forked, so that it may be placed on the leg of a sewing-machine and screwed tight by screws *a*, and the solid end is formed with a hole for receiving the end of spindle C. The outer end of the spindle C is squared to receive the flier B, which is held in place by the head *e*, that is screwed on the end of the spindle C. The spool D turns freely on the spindle between the cone-pulley *b* and the head of the flier.

In the form shown the device is adapted for attachment to most sewing-machines, and by slight changes may be adapted to any.

To fit the attachment for operation the clamp A is to be attached to the legs beneath the table and directly over the driving-wheel, with the spindle projecting in a horizontal direction, with space enough for the flier to clear the table. The bracket-nut F is then to be screwed into the table directly over and in line with the mouth-piece *e*, the bracket *f*

screwed into nut F, and the piece *e* inserted into the eye of *f* by springing back the bracket, so that the spindle will be supported in bearings at both ends. The tension-band G is passed around the grooved pulley *d* of spool D, and secured by screwing the screw-eyes *g*, that are attached to its ends, into the table. The object of this band G is to prevent the spool from turning as fast as the flier, and it can be made to turn as fast as required for taking up the thread by tightening or slackening the band G by means of screws *g*. The band *h* is passed around the driving-wheel of the sewing-machine and around the cone-pulley *b*.

This attachment will do all the work of the ordinary spinning-wheels much faster, and it is much easier to work than spinning-wheels. The attachment saves the necessity of having a spinning-wheel where there is a sewing-machine in use.

In many parts of the country a spinning-wheel is a necessity in every family, as well as a sewing-machine; but with this attachment to the sewing-machine the wheel will not be required.

For preparing yarn for crochet-work and knitting, the spinning and twisting attachment is especially useful.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The described yarn-spinning attachment for sewing-machines, composed of the leg-clamp A, having an eye or spindle-hole at its outer end, spindle C, having mouth *e* and cone-pulley *b*, flier B, attached to the spindle, spool D, having pulley *d*, provided with the adjustable retarding or tension band G, having screw-eyes *g*, and nutted bracket-support F *f*, the whole constructed and combined to adapt it to be attached below the table and operated by the drive-wheel and belt of a sewing-machine.

JOHN CHARLES BLACKETT.

Witnesses:

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JOHN A. MACKENSIE.