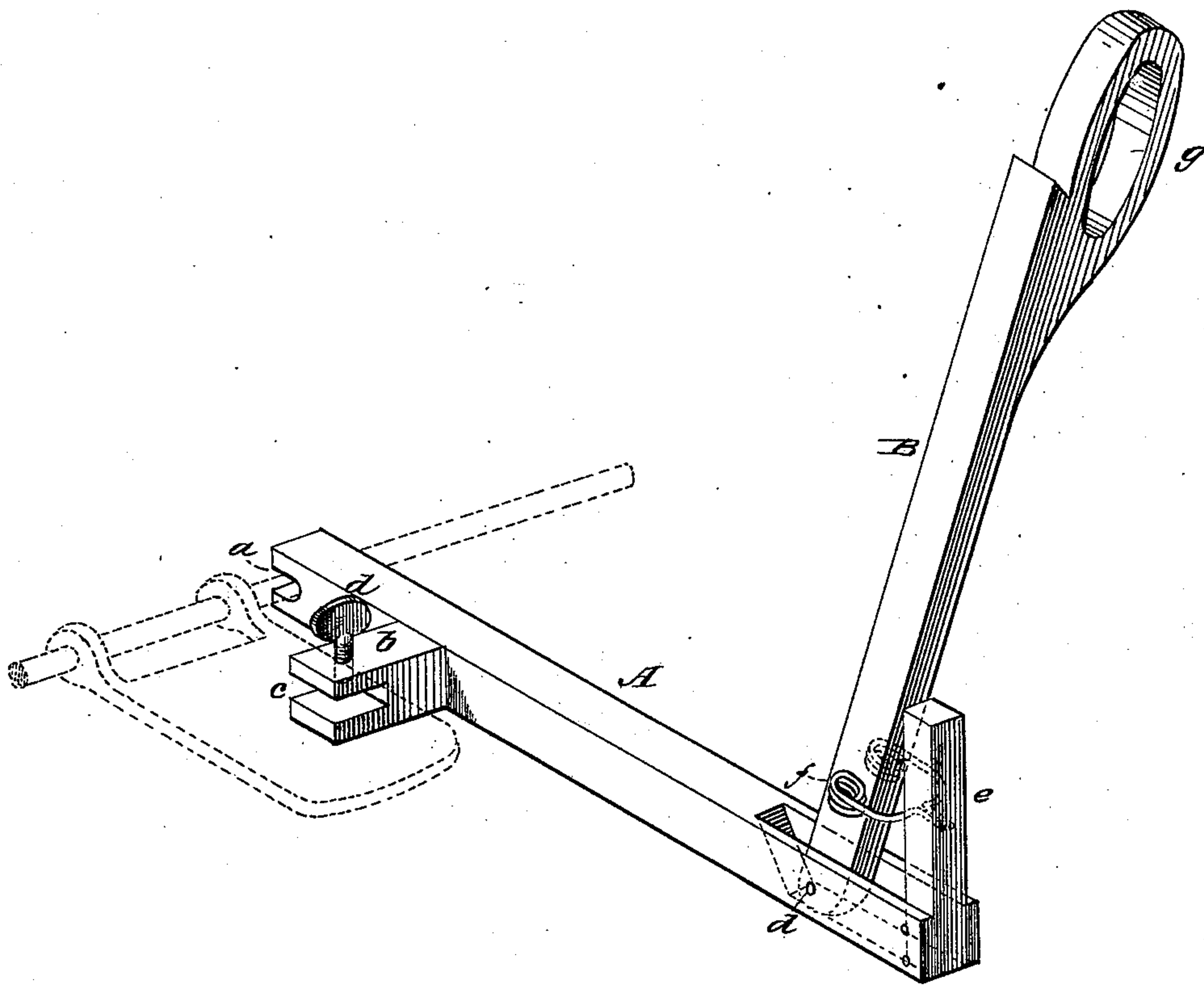


C. T. CHRISTMAS.
Hand-Power Attachment for Sewing-Machines.
No. 226,492. Patented April 13, 1880.



WITNESSES:
Francis Mc Ardle.
C. Sedgwick

INVENTOR:
C. T. Christmas
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES T. CHRISTMAS, OF RIVERTON, MISSISSIPPI.

HAND-POWER ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 226,492, dated April 13, 1880.

Application filed October 1, 1879.

To all whom it may concern:

Be it known that I, CHARLES T. CHRISTMAS, of Riverton, in the county of Boliver and State of Mississippi, have invented a new and
5 Improved Hand-Power Attachment for Sewing-Machines, of which the following is a specification.

The object of my invention is to furnish an attachment adapted for connection to the
10 treadle of a sewing-machine, whereby the machine may be driven by hand alone, or the attachment used to assist the operation of the machine by foot; and my invention consists in a certain novel combination of devices
15 adapted for connection to the machine and for operation in the manner specified.

My hand-power attachment is shown in the accompanying drawing, and will be described in connection therewith.

20 The drawing shows a perspective view of the attachment in position for use.

A is a lever or rod of wood or metal, formed at one end with a mortise or recess, *a*, and formed or having attached to it at one side,
25 near the mortise *a*, a short arm, *b*, that is formed with a mortise or recess, *c*, and is fitted with a thumb-screw, *d*, entering into the mortise *c*. The opposite end of the piece A is slotted or mortised to receive the end of the
30 hand-piece B, which is hung by its end in the mortise by a cross-pin, *d*, so that the piece B may swing. There is also attached to this end of piece A a short standard, *e*, carrying spring-arms *f*, between which the piece is caught to re-
35 tain the same in position when not in use. The upper end of the hand-piece B is formed with an aperture, *g*, so that it may be grasped and held readily in the hand of the operator, and both the parts A B are of such a length that
40 the attachment, when applied, comes to a convenient position for use.

The manner of attachment to the machine is illustrated by the drawing, wherein a treadle and treadle-rod are shown in dotted lines.

The mortise *a* of piece A is put over the treadle-rod and the side of the treadle entered into the
45 mortise *c* of arm *b*. Then by screwing down the screw *d* upon the treadle the attachment will be clamped firmly in place, so that the piece A will form a rigid extension of the
50 treadle, and the piece B will extend upward at the side of the operator sitting at the machine. By working the handle B up and down the treadle will be oscillated to drive the machine, and the feet may, in addition, be used on
55 the treadle in the usual manner, or the machine driven entirely by hand. When both hands are required upon the table the piece B is to be pushed back and caught into the spring-arms *f*, which will retain it in position.
60

This attachment is simple and effective, and especially useful in relieving the operator of continuous work with the feet.

The attachment may readily be removed when not required for use, and may be used
65 with treadles of other machines.

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

1. The improved hand-power attachment for
70 sewing-machines, consisting of the piece or lever A and hand-piece B, connected together and adapted for connection to a treadle, substantially as described and shown.

2. The attachment for sewing-machines, con-
75 sisting of the lever A, fitted with the slotted arm *b* and clamping-screw *d*, and having combined with it the handle B, substantially as described and shown, and for the purposes set
80 forth.

3. In combination with lever A and handle B of the hand-power attachment, the stand-
ard *e* and spring-arms *f*, substantially as and for the purposes specified.

CHARLES THOMAS CHRISTMAS.

Witnesses:

T. R. MCGUIRE,
I. C. HEAD.