

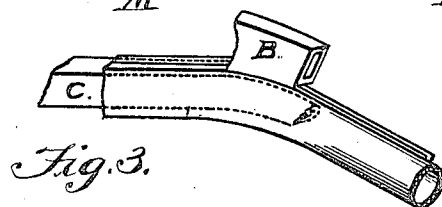
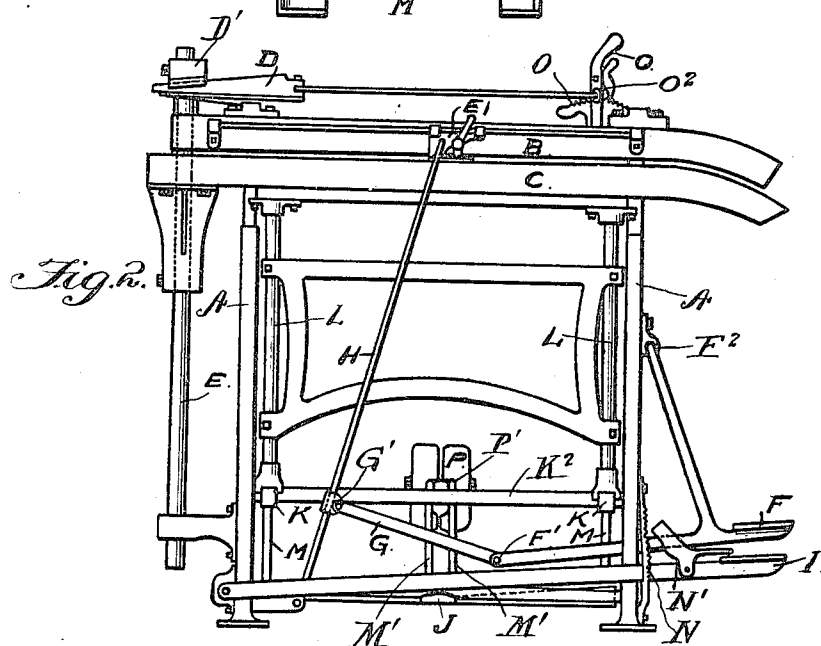
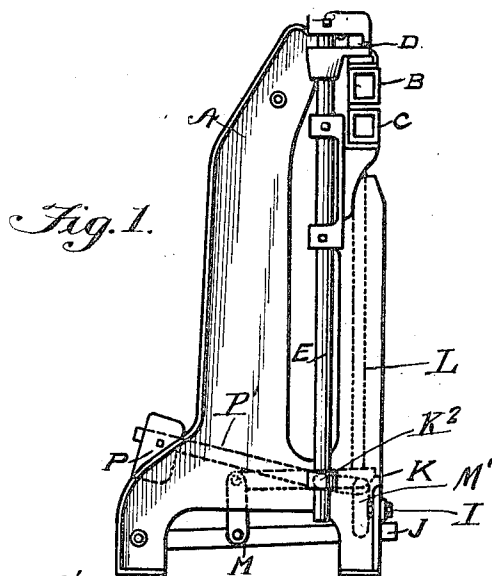
May 15, 1923.

1,455,692

W. WILKIE

SEAM PRESSING MACHINE

Filed June 28, 1919



Inventor
William Wilkie

By

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UNITED STATES PATENT OFFICE.

WILLIAM WILKIE, OF GLASGOW, SCOTLAND.

SEAM-PRESSING MACHINE.

Application filed June 23, 1919. Serial No. 307,304.

To all whom it may concern:

Be it known that I, WILLIAM WILKIE, of 34 Garthland Drive, Dennistoun, Glasgow, Scotland, engineer, have invented certain new and useful Seam-Pressing Machines, of which the following is a specification.

My invention relates to a machine for opening and pressing the seams of wearing apparel, which is especially applicable to opening and pressing the seams of trousers, sleeves, coats and costumes, and constitutes an improvement on my earlier British Patent No. 116,793. In apparatus constructed in accordance with that patent two longitudinal arms are mounted in a frame, the lower arm being adjustable in position with respect to the upper arm by means of eccentrics. Pressure is applied to the fabric by means of seams operating on the lower arm and actuated by a treadle through a lever system, and a clip also actuated by a treadle through a lever system, is provided for drawing the sleeve or such like on to the lower arm. The object of the present invention is to construct a machine of the same general character but of a much simpler nature, with fewer parts, and more easily manipulated, and the invention consists of the particular arrangement and combination of parts, all as hereinafter described with reference to the drawings.

In order that my invention may be properly understood and readily carried into effect, I have hereunto appended one sheet of drawings, in which:—

Figure 1 is a side elevation of the machine embodying my invention.

Figure 2 is a front elevation of the same.

Figure 3 is a perspective detached view of a part of the same in operation of opening and pressing the seams drawn to an enlarged scale.

Referring to the drawings, the machine consists of two iron frames A with a longitudinal horizontal heated arm B fixed to the frame at either end. Under this heated arm B is another similar heated arm C which is hung on a shaft E and is according to my present invention suspended on a sliding wedge D for the purpose of adjustment of intervening space between arms B and C i. e. for increasing or decreasing the space between the arms B and C. The arms B, C, are hollow and may be heated by steam or gas pipes which in practice are connected thereto. The adjustment is effected by

sliding the wedge D under the block D' which is fixed on the top of shaft F. The fabric is then drawn between heated arms B and C with the use of a clamp E', by the application of pressure on the treadle F which according to my present invention is connected to clamp E' by levers G and H, the lever H slipping through an aperture loosely in clamp E' and regulating itself to the distance of travel. G is connected to H and F by loose pins G' and F' and the lever F is suspended at top end to frame A on loose pin F². Pressure is then applied to the fabric now in place between the heated arms B and C by depressing lever I which rests upon treadle J as shown. According to my present invention the lever I and the levers K and K which are fulcrumed on bar K² press the rams L and L and the under arm C upwardly. The rams rest on the upper sides of levers K, K, which levers are connected to the treadle J through the links M and M. N is a ratchet for holding or locking lever L by means of the pawl N' when the latter is depressed. Said pawl may be easily relieved with the foot. O is the ratchet, O² a pawl engaging same and O' the handle for the adjustment of wedge D. When it is desired to adjust the wedge D the handle O' is operated which lifts or lowers arm C for proper adjustment through the medium of the wedge D, the pawl O² retaining the wedge D in the desired position. P is the back balance weight having lever P' connected thereto and which lever P' is connected to treadle J through link M' to raise lever I to its full height.

Having thus described my invention, I claim:—

1. In a machine for opening and pressing seams of wearing apparel, the combination of a frame; an upper heated arm supported on the frame; a vertical shaft journaled at one end of the frame; a lower heated arm supported on the vertical shaft; a block secured on the vertical shaft; a wedge slidable on the frame and adapted to support the block with the vertical shaft; means for sliding the wedge to raise and lower the vertical shaft, and means for drawing fabric between the heated arms, comprising a clip slidable on the upper arm, a treadle journaled on the frame, and levers connecting the sliding clip to the treadle.

2. A machine for opening and pressing seams of wearing apparel, as set forth in

claim 1, provided with means for forcing the lower arm up against the upper arm to press the fabric.

3. In a machine for opening and pressing
5 seams of wearing apparel, the combination
of a frame, an upper heated arm supported
on the frame; a vertical shaft journaled at
one end of the frame; a lower heated arm
secured on the vertical shaft; and means for
10 drawing fabric between the heated arms

comprising a clip slidable on the upper arm, a treadle journaled on the frame, and levers connecting the sliding clip to the treadle.

In testimony whereof I affix my signature 15
in presence of two witnesses.

WILLIAM WILKIE.

Witnesses:

OHU LIDDLE,

JOHN TRAIN LIDDLE.