

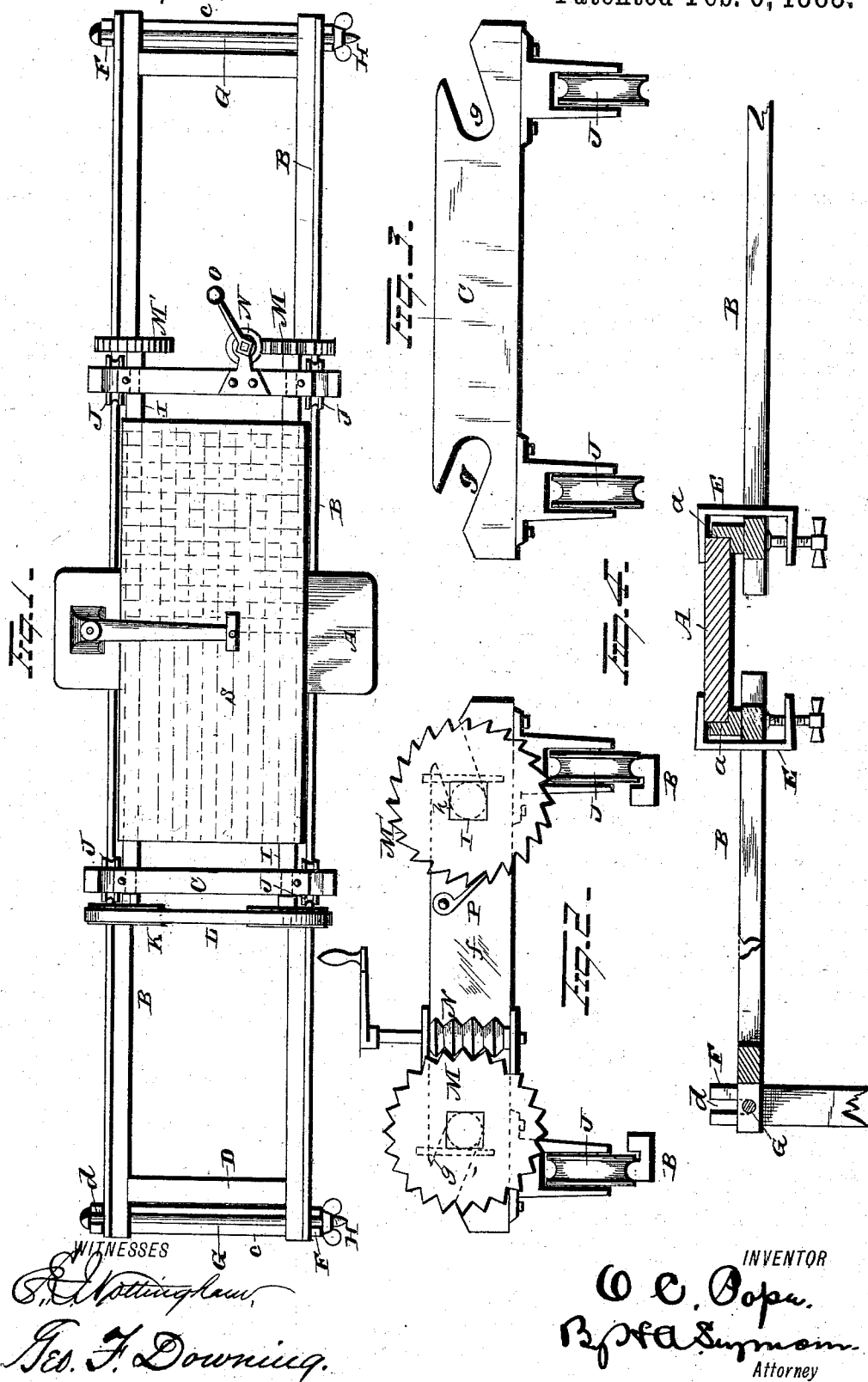
(No Model.)

O. C. POPE.

QUILTING ATTACHMENT FOR SEWING MACHINES.

No. 271,920.

Patented Feb. 6, 1883.



# UNITED STATES PATENT OFFICE.

OWEN C. POPE, OF McMINNVILLE, TENNESSEE.

## QUILTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 271,920, dated February 6, 1883.

Application filed July 13, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, OWEN CAMPBELL POPE, of McMinnville, in the county of Warren and State of Tennessee, have invented certain new and useful Improvements in Quilting Attachments for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to an improvement in quilting attachments for sewing-machines, the object of the same being to provide a device of this character which will combine simplicity and economy in construction with durability and efficiency in use; and with these ends in view my invention consists in the parts and combination of parts, as will be more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan view, showing my improvement secured to a sewing-machine. Fig. 2 is an end view of the carriage. Fig. 3 is a detached view of one of the head-blocks, and Fig. 4 shows the manner of securing the side tracks to the sewing-machine table.

A represents a sewing-machine table, and B trackways, which latter are removably secured to the said table on opposite sides thereof. The trackways B, on opposite sides of the table, are of any suitable length, and are of width sufficient to accommodate the carriage C, and the two tracks on the same side of the table are rigidly secured together by the cross-bars D. The inner cross-bars, or the bars which rest close up to the table A when the parts are secured in position, are each provided with a step, *a*, which latter bears on the under side of the table. The inner ends of the two trackways are removably secured to the machine-table by the screw-clamps E, which latter bear respectively on the under side of the cross-bars and the top of the table and firmly clamps the parts together. The opposite or outer ends of the trackways are supported by the upright standards F. The standards F, on the same side of the table, are connected together by the bars *c*, which firmly bind them together and hold them in their proper relative position. Each standard F is provided with an open oblong slot, *d*, in the upper end

thereof, in which the opposite ends of the tie-rods G rest. These tie-rods G pass transversely through the tracks, and are each provided on one end with cap-pieces and on the opposite ends with screw-threads, on which thumb-screws H are secured. The projective ends of the tie-rods are placed in the oblong slot *d*, with the cap-pieces and thumb-screws outside of the standards. The trackway is then adjusted until it rests in a horizontal position, when the trackway and standards are rigidly secured together by the tightening thumb-nuts.

The carriage C consists of the end or head blocks, *f*, and the side rollers, I, which latter connect and hold the head-blocks together. Each head-block is provided near its opposite ends with the depending wheels J, which latter are gaged to the tracks and on their upper surfaces with the open-inclined notches *g*, in which the bearing-spindles *h* of the rollers I rest and turn. The ends of the rollers I on the same side of the carriage C are provided with the band-pulleys K, around which the belt L turns, and on the opposite side of the carriage one roller is provided with a worm-gear, M, and the other one with a ratchet-wheel, M'. The worm-gear M meshes with the worm N, the latter being journaled to one of the head-blocks of the carriage C and operated by the crank O. As the crank O is turned it also turns the worm-gear through the intervention of the worm and operates the roller I, to which the worm-gear is secured. The roller I, with the gear-wheel thereon, being connected to the opposite roller by an endless band, it follows that as one roller turns the other also follows in the same direction. A dog, P, on the carriage C engages the ratchet-wheel M' and prevents the roller I, to which it is secured, from turning backward and unrolling the quilt which has been wound thereon. The ends or side of the quilt S can be secured directly to the rollers I, or to a suitable fabric secured to the said rollers. The slack quilt is then wound on one roller, and when the proper position has been reached the operation of stitching is begun, which is accomplished by the sewing-machine in the ordinary manner. The carriage, when in proper position, rests over the bed-plate of the sewing-machine, two of the bearings thereof being on

one side and two on the opposite side of the table. The carriage-frame is of sufficient length to accommodate any ordinary-sized quilt, and by simply moving the carriage on the trackway the whole surface of the quilt is exposed to the action of the needle.

As before stated, at the commencement of the stitching or quilting operation all of the quilt is wound on one roller I, excepting the portion resting between the two rollers. During the process of stitching the carriage can be fed forward on the trackway either automatically, by suitable means, or by hand. After the entire width has been stitched the crank is turned and the quilt turned on the rollers until the proper point has been reached, when the stitching operation is again commenced. As the unstitched portion of the quilt is unwound from one roller the stitched portion is being wound on the opposite roller. When the entire quilt has been stitched crosswise it is removed from the rollers I and the sides thereof secured to the said rollers in the position formerly occupied by the ends of the said quilt. When the parts are properly adjusted the stitching operation is again commenced and continued at proper intervals at right angles to the former stitches, which forms the blocks in the quilt.

If desired, suitable elastic straps can be secured at one end to the head or end blocks of the carriage, and be provided with hooks at their opposite ends for engagement with the sides of the quilt for the purpose of stretching the same while stitching.

In my improvement the quilt rests on the bed-plate of the sewing-machine, the parts being so adjusted to accomplish this end without the necessity of employing separate means for holding the quilt down in position.

Another important feature of my improvement is that the side trackways can be folded on or removed from the standards when not required for use, thereby enabling the parts to be packed in a small compass.

My improvement is simple in construction,

is of few parts, is strong, durable, and efficient in use, and can be manufactured at a small initial cost.

It is evident that slight changes in the construction and arrangement of the different parts might be resorted to without departing from the spirit of my invention; and hence I would have it understood that I do not limit myself to the exact construction of parts shown and described, but consider myself at liberty to make such changes as come within the spirit and scope of my invention.

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

1. The combination, with a sewing-machine table, of two side trackways removably secured thereto by screw-clamps, the outer ends of the said trackways being adjustably secured to removable slotted standards, substantially as set forth.

2. The combination, with a sewing-machine table, of two side trackways provided at their inner ends with bearing-stops, screw-clamps for connecting the said table and trackways, tie-rods passing transversely through the outer ends of the trackways, and standards provided at their upper ends with open slots in which the said tie-rods rest, all of the above parts constructed, combined, and adapted to operate as described.

3. The combination, with trackways secured to a sewing-machine table, of a carriage consisting of head-blocks provided with supporting-wheels and furnished with open slots, and rollers removably secured within the open slots and serving as the sides of the carriage, substantially as set forth.

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

OWEN CAMPBELL POPE.

Witnesses:

J. H. ROBERSON,  
A. J. CURL.