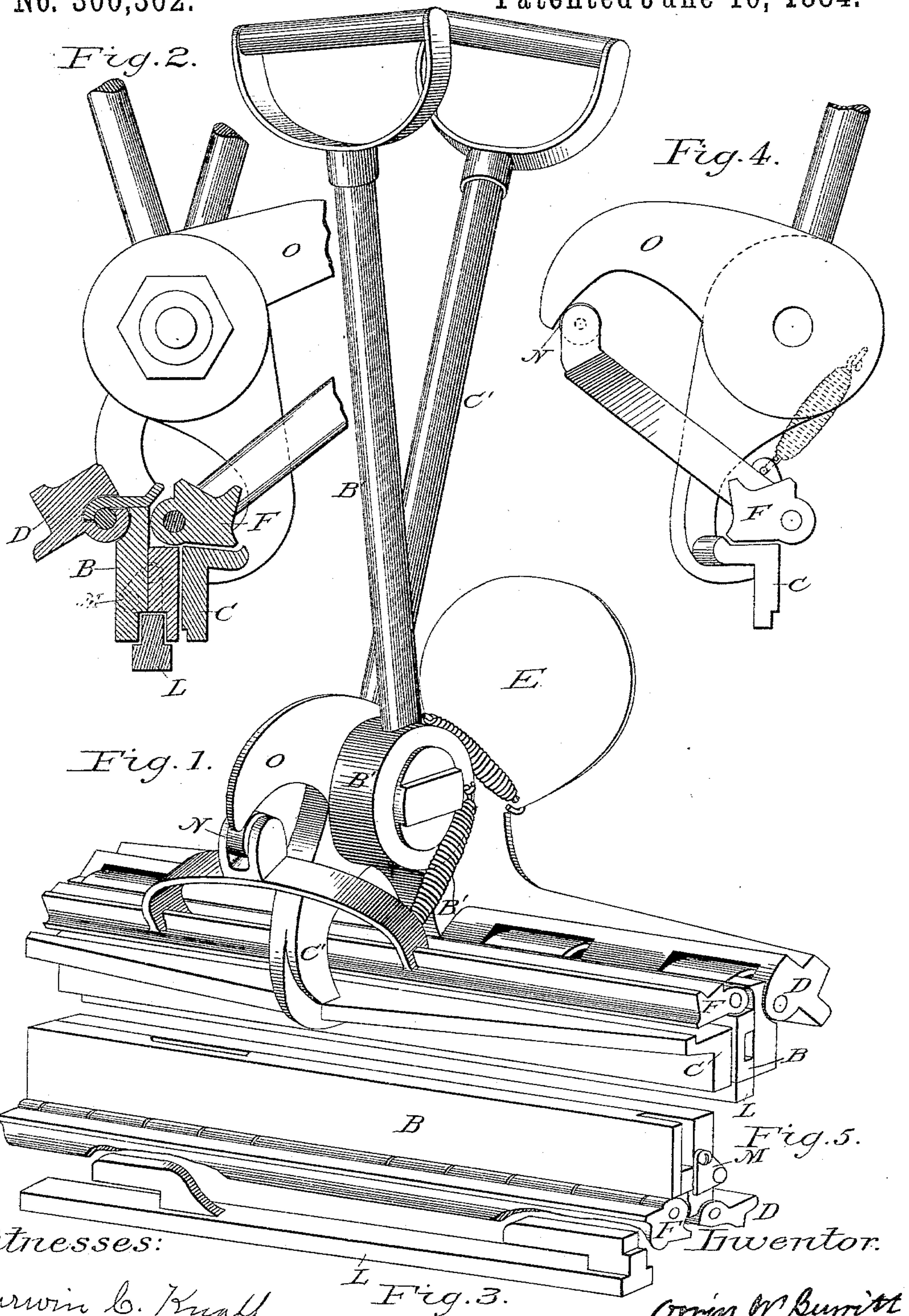


(Model.)

O. W. BURRITT.
MACHINE FOR SEAMING OR DOUBLE SEAMING JOINTS OF SHEET METAL
ROOFING.

No. 300,302.

Patented June 10, 1884.



Witnesses:

Darwin C. Knapp
M. J. Donovan

Orrin W. Burritt, Inventor.

UNITED STATES PATENT OFFICE.

ORRIN W. BURRITT, OF WEEDSPORT, NEW YORK.

MACHINE FOR SEAMING OR DOUBLE-SEAMING JOINTS OF SHEET-METAL ROOFING.

SPECIFICATION forming part of Letters Patent No. 300,302, dated June 10, 1884.

Application filed April 3, 1884. (Model.)

To all whom it may concern:

Be it known that I, ORRIN W. BURRITT, a citizen of the United States, residing at Weedsport, in the county of Cayuga and State of New York, have invented a new and useful Improvement in a Machine for Seaming or Double-Seaming the Standing Joints of Sheet-Metal Roofing, of which the following is a specification.

My invention relates to improvements in double-seaming machines for standing lock metal roofing; and the objects of my improvements are, first, combining the parts by peculiar arrangements for the purpose of turning either the first or second edge on any desired thickness of metal, by an automatic hinged lip working simultaneously with the movement of the handle, governed by an anti-friction roller moving under a curved plate with a spring adjustment; second, a device in the construction of the bars for the use of a quick adjusting-gage, and the peculiar manner of its fastenings, thereby, with the combination, being able to form a complete lock by the use of one machine. I attain these objects by the mechanism shown in the drawings.

Figure 1 is a perspective view of the complete device. Fig. 2 is a section of the jaws, showing a hollow or cored bar for the admittance of loops to an adjustable gage, and stop-button attached. Fig. 3 represents the adjustable gage as it appears previous to its being placed into the sockets provided in the surface of the cored bar. Fig. 4 is a view of the curved plate as worked upon the anti-friction roller in connection with the spring adjustment to hinged lip.

Similar letters refer to similar parts throughout the several views that I present as an improvement upon my former Patents Nos. 120,851 and 266,604.

In this improvement the parts are so combined as to allow the completion of both the single and double lock.

The original letters on my former patents are B C D E and F G H I J K. I now use the bar B by forming a core through it with slotted bottom surface for the admission of tongues or loops on the adjustable gage L, and secured to place by stop-button M, fastened to the en-

trance of core-bar B, which drops onto gage L, that is provided with a stop-catch. Attached to core-bar B is hinged lip F, with a standard for support to anti-friction roller N, and governed by curved plate O, (and spring I,) attached to bar C, and operated simultaneously with the movement of the handles that are attached to the shanks of bars B and C, which, being combined with bar D, foot-plate E, and stop-lug K of my former Patents Nos. 120,851 and 266,604, will produce a complete double lock.

To enable others to use my improved double-seamer, I will describe it more in detail, referring to the drawings and to the letters marked thereon.

The improvement consists in a cored bar for the admittance of loop-fastenings to an adjustable gage provided with a stop-button for an easy and quick adjustment, for the purpose of changing the height of the bars, adapting them to the turning of both the first and edging; and to provide for this work a hinged lip is attached to center bar, B. To this lip is a standard, with anti-friction roller N, working under a curved plate, O, fastened to the shank of opposite bar C, and working simultaneously with the action of the handles, being drawn back to its place by the use of spring I.

It will be readily seen that by the use of a self-adjusting lip to the center bar, as described, the different thickness of metal can be turned ready for closing down with the treadle. It will also be observed that the movement of the handles, operating upon the curved plate O, acts upon roller N by a downward pressure, drawing the edge beyond a right angle, producing the same effect as caused by the use of the foot-treadle of my former Patent No. 266,604. This device not only saves one motion, but the operator is relieved from raising the foot to do the work described. The gage is held in position on the cored bar while making the first turn of the metal. Closing down the edge with the opposite treadle completes a single lock. Simply by turning the button on the end of the bar and drawing the gage, the seamer will drop to the proper height for the second turning of the edge. The same operation is gone through with as the first move-

ment, turning the edge over again in the same way, and same angle. The foot-power being applied to treadle-plate E with a down pressure completes the double lock.

5 What I claim as new and as my invention, and desire to secure by Letters Patent, is—

1. The combination of bar C with curved plate O and anti-friction roller N, attached to standard on lip F, hinged to cored bar B, and
10 means for operating, substantially as and for the purpose set forth.

2. The means for adjusting the height of the

seamer, consisting of cored bar B, with slotted bottom, adjustable gage L, with loops or tongues, and stop-button M, attached to cored 15 bar B, and stop-catch on gage L, the combination arranged to operate substantially as herein shown and described, for the purposes set forth.

ORRIN W. BURRITT.

Witnesses:

WM. J. DONOVAN,
DARWIN C. KNAPP.