

S. F. MAXWELL.

Manufacture of Nail-Kegs.

No. 159,945.

Patented Feb. 16, 1875.

Fig. 1.

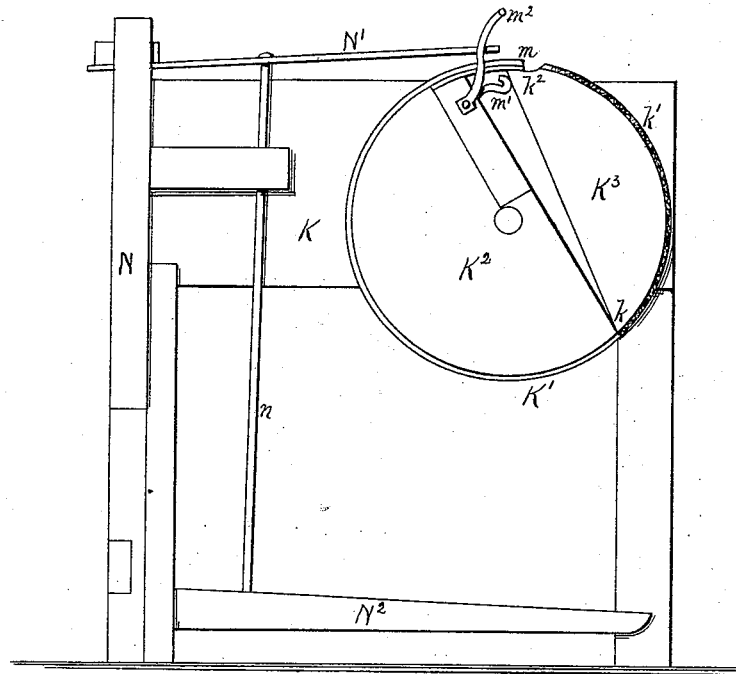
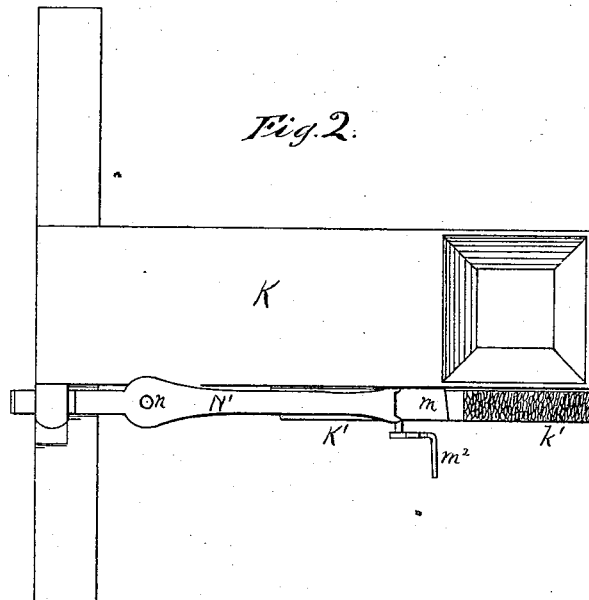


Fig. 2.



WITNESSES  
Edwin James.  
A. V. Gordon

INVENTOR  
Samuel F. Maxwell.  
per J. E. F. Holmead  
Attorney

# UNITED STATES PATENT OFFICE.

SAMUEL F. MAXWELL, OF CLIFTON, WEST VIRGINIA.

## IMPROVEMENT IN THE MANUFACTURE OF NAIL-KEGS.

Specification forming part of Letters Patent No. **159,945**, dated February 16, 1875; application filed January 16, 1875.

*To all whom it may concern:*

Be it known that I, SAMUEL F. MAXWELL, of Clifton, in the county of Mason and State of West Virginia, have invented certain Improvements in the Manufacture of Nail-Kegs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing and the letters of reference marked thereon, making part of this specification, in which—

Figure 1 is a side view of the hoop bender and tacker. Fig. 2 is a top-plan view of Fig. 1.

My invention consists in a peculiar construction of mechanism by means of which I am enabled easily to bend and tack the hoops that are permanently attached to a barrel or keg, as will be more fully hereinafter described.

K is a bench or table, to the side of which is journaled a wheel, K<sup>1</sup>. This wheel is made of cast-iron, and formed in two sections, K<sup>2</sup> K<sup>3</sup>, the section K<sup>3</sup> being less than a semicircle, and is pivoted to the section K<sup>2</sup> at *k*. The upper face *k*<sup>1</sup> of the section K<sup>3</sup> is notched or slightly grooved, while at the point *k*<sup>2</sup> it is slightly beveled off. *m* is a catch, which is attached to the face of the section K<sup>2</sup>, and extends over the beveled portion *k*<sup>2</sup> of the section K<sup>3</sup> when the two sections of the wheel are brought together. *m*<sup>1</sup> is an eccentric, which works in a recess cut in the face of the section K<sup>2</sup>, and is operated by means of the crank-handle *m*<sup>2</sup>. To the top of the upright N, attached to the rear of the table K, is fastened a spring-arm,

N<sup>1</sup>, while to the bottom of the same upright is attached a treadle, N<sup>2</sup>. The spring-arm N<sup>1</sup> and treadle N<sup>2</sup> are connected by means of the rod *n*.

The operation is as follows: The point of the hoop is held under the catch *m*, and the crank-handle *m*<sup>2</sup> so turned as to cause the eccentric *m*<sup>1</sup> to force up the beveled point *k*<sup>2</sup> of the section K<sup>3</sup> of the wheel K<sup>1</sup> hard against the end of the hoop. The wheel K<sup>1</sup> is then turned entirely around, the hoop encircling the same, until the catch *m* passes the point of the spring-arm N<sup>1</sup>, when the treadle N<sup>2</sup> is pressed down by the foot, and causes the spring-arm N<sup>1</sup> to press down upon the hoop. The hoop is then tacked on the notched face *k*<sup>1</sup>, the notches clinching the tacks. The wheel is then turned a quarter back and the hoop loosened.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

Bench K, wheel K<sup>1</sup>, constructed in two sections, as described, eccentric *m*<sup>1</sup>, crank-arm *m*<sup>2</sup>, spring-arm N<sup>1</sup>, rod *n*, and treadle N<sup>2</sup>, the whole constructed and arranged to operate substantially as described.

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

SAMUEL F. MAXWELL.

Witnesses:

FRANK SHANNON,  
W. H. SARGENT.