S. F. MAXWELL.

Manufacture of Nail-Kegs.

No. 159,945. Patented Feb. 16, 1875.

Fig. 1.

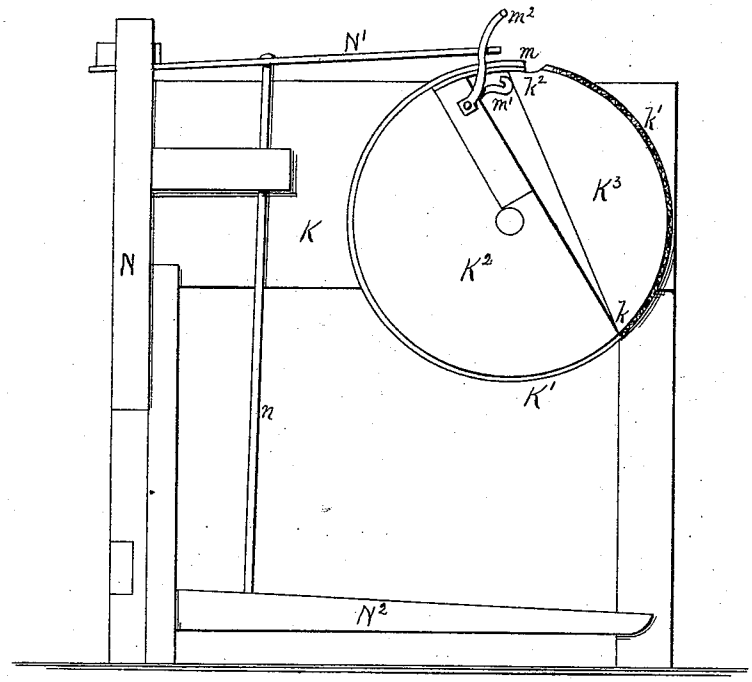
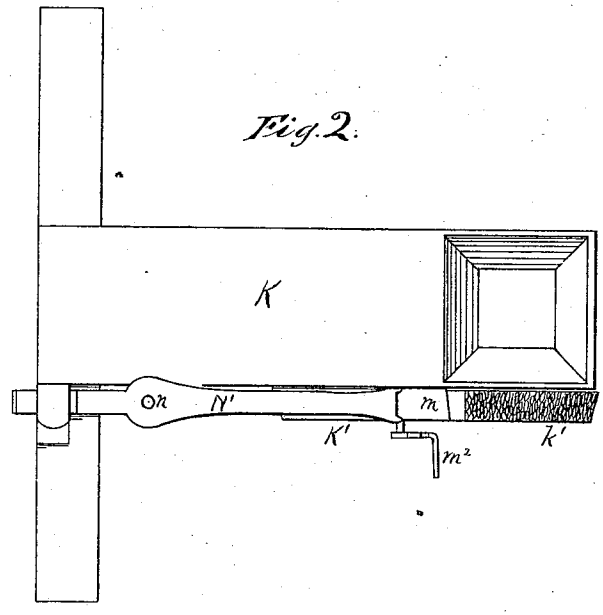


Fig. 2.



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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^1. This wheel is made of cast-iron, and formed in two sections, K^2 K^3, the section K^3 being less than a semicircle, and is pivoted to the section K^2 at *k*. The upper face k^1 of the section K^3 is notched or slightly grooved, while at the point k^2 it is slightly beveled off. *m* is a catch, which is attached to the face of the section K^2, and extends over the beveled portion k^2 of the section K^3 when the two sections of the wheel are brought together. m^1 is an eccentric, which works in a recess cut in the face of the section K^2, and is operated by means of the crank-handle m^2. To the top of the upright N, attached to the rear of the table K, is fastened a spring-arm, N^1, while to the bottom of the same upright is attached a treadle, N^2. The spring-arm N^1 and treadle N^2 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^2 so turned as to cause the eccentric m^1 to force up the beveled point k^2 of the section K^3 of the wheel K^1 hard against the end of the hoop. The wheel K^1 is then turned entirely around, the hoop encircling the same, until the catch *m* passes the point of the spring-arm N^1, when the treadle N^2 is pressed down by the foot, and causes the spring-arm N^1 to press down upon the hoop. The hoop is then tacked on the notched face k^1, 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^1, constructed in two sections, as described, eccentric m^1, crank-arm m^2, spring-arm N^1, rod *n*, and treadle N^2, 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.