

J. W. MILLET.
Machine for Making Chair-Rounds.

No. 161,144.

Patented March 23, 1875.

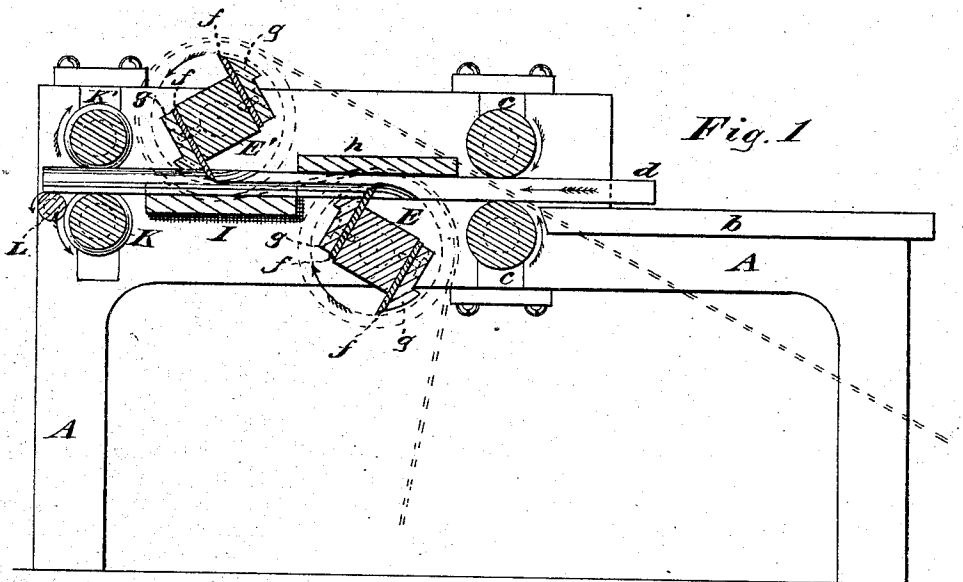


Fig. 1

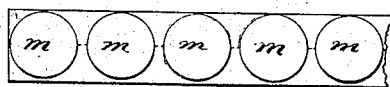


Fig. 5



Fig. 2

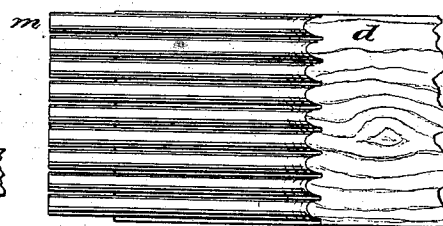


Fig. 4



Fig. 3

Witnesses:
Henry S. Parker
F. V. Copeland

Inventor,
John W. Millet,
By *J. W. Latcher,*
att'y

UNITED STATES PATENT OFFICE.

JOHN W. MILLET, OF JOHNSTOWN, NEW YORK, ASSIGNOR OF ONE-HALF
HIS RIGHT TO LOUISA BANKS PETTYJOHN, OF SAME PLACE.

IMPROVEMENT IN MACHINES FOR MAKING CHAIR-ROUNDS.

Specification forming part of Letters Patent No. **161,144**, dated March 23, 1875; application filed
September 29, 1874.

To all whom it may concern:

Be it known that I, JOHN W. MILLET, of Johnstown, in the county of Fulton and State of New York, have invented an Improvement in Machines for Making Chair-Rounds, of which the following is a specification:

The object of my invention is to plane both sides of blanks in the operation of making wooden chair-rounds, rods, pins, or dowels from the same at one operation; and my invention consists of the combination of two cutting-cylinders with a fluted guide-bed just in rear of the first rounding-cylinder and a suitable feeding mechanism.

Figure 1 is a longitudinal central section of my invention. Fig. 2 is a front-end view of the fluted guide-bed, representing the rounds in dotted lines. Fig. 3 shows the blank partially planed by the fluted cylinders, represented by dotted circles. Fig. 4 exhibits a view from beneath, represented in edge view in Fig. 3; and Fig. 5 is an end view of the same.

To enable those skilled in the art to construct my invention, I will proceed to describe it, as follows:

A, Fig. 1, represents the frame of a planer; *b*, the feed-bed of the same. *c c* are two feed-rollers, geared together in the ordinary way, for the purpose of carrying the boards *d* through the planer, as will be readily understood. *E* and *E'* are revolving heads of the usual form, both of which are provided with fluted knives *f f* and caps *g g*, and secured thereto by means of bolts, in the ordinary way. A bearing or pressure plate, *h*, is placed above the cylinder *E*, underneath which the board *d*

is carried, in order to receive the upward action of the cylinder *E*. A bed, *I*, is secured underneath the cylinder *E'*, and at a suitable distance therefrom, for the purpose of planing the upper half of the rounds, said bed *I* being fluted to correspond with the fluted cylinder *E'*, and better shown in Fig. 2.

It will be seen that the bed *I* acts as a sure guide to conduct the board to the cylinder *E'*, without allowing it any lateral deviation.

A pair of grooved rollers, *K K'*, are placed in rear of the cylinders *E'* and bed *I*, which draw the rounds through the machine as they are drawn in by the first set of rollers *c c*; a roller, *L*, revolved in suitable bearings just in rear of the lower grooved roller *K*, which has an upward pressure against the rounds *m*, tending to bear their inner ends down upon the fluted bed *I*, in order to prevent said rounds from chattering when the cutter *E'* is rotated.

The arrows indicate the motion of the several working parts of the planer represented in the drawings.

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

1. The combination, in a chair-round planer, of the fluted bed *I*, rollers *K K'*, and roller *L*, as shown and described.

2. In combination with the cutters *E E'*, the fluted bed *I*, roller *L*, rollers *K K'*, and feed-rollers *c c*, as and for the purpose set forth.

JOHN W. MILLET.

Witnesses:

JOS. PETTYJOHN,
J. W. LATCHER.