

F. Keagey,

Gage Lathe.

No. 98,600.

Patented Jan. 4. 1870.

Fig: 1.

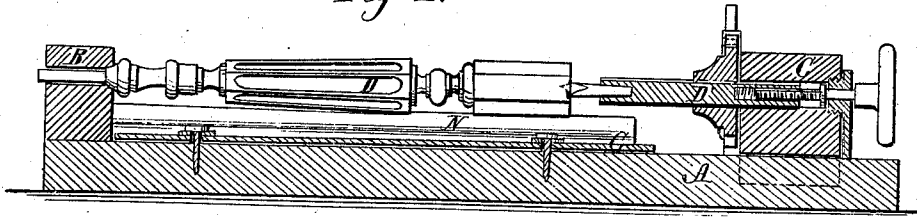


Fig: 2.

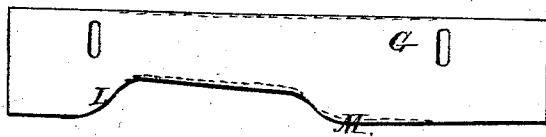
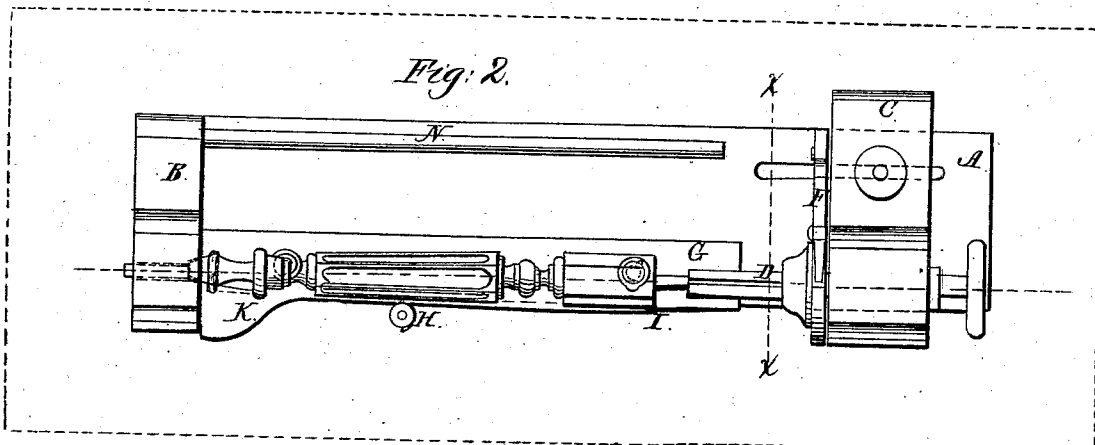
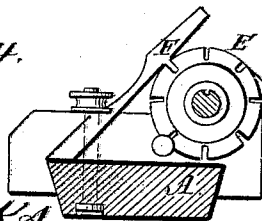


Fig: 3.

Fig: 4.



Witnesses:

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FRANKLIN KEAGEY, OF CHAMBERSBURG, PENNSYLVANIA.

Letters Patent No. 98,600, dated January 4, 1870.

IMPROVEMENT IN GUIDES FOR PLANING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, FRANKLIN KEAGEY, of Chambersburg, in the county of Franklin, and State of Pennsylvania, have invented a new and improved Machine for Cutting Irregular Forms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in machines for holding, adjusting, and feeding the pillars, balusters, or other articles to be dressed in irregular forms or plain sides, on a table, past a rotary cutter, by which the dressing is to be effected, the said invention consisting of a bed, with centres, for holding the blank, one of which is adjustable as to length, and provided with a dividing-plate, for adjusting the blank to the cutter; also a pattern, for governing the action of the tool on the blank.

Figure 1 represents a longitudinal section of my improved machine;

Figure 2 represents a plan view of the same;

Figure 3 represents a view of one of the patterns; and

Figure 4 is a transverse section, taken on the line *xx* of fig. 2.

Similar letters of reference indicate corresponding parts.

A is the bed whereon are placed two spindle or centring-heads, B and C, the former having either a spindle, for holding the blank D, or for special work it may have a hole for the turned end of the blank.

The latter is provided with an adjustable spindle, D', and is adjustable along the bed, in the manner of lathe-heads, for blanks of different lengths.

The spindle D is provided with a templet or di-

viding-plate, E, with spacing-notches, and detachably connected, so as to permit of interchanging plates, with various arrangements of notches, in which a spring-catch, F, works, to hold it at any point.

G is a guide or pattern, adjustably connected to the bed.

H represents a rotary cutting-tool, rising up through the table I, shown in dotted lines, on which the bed A is placed, so as to press the edges of the pattern up against the mandrel of the cutter, below the same, whereby the depth of cutting is gauged, as the machine is moved along past the cutter by hand.

The pattern is swivelled out at the places where it is required, to prevent the cutter from acting on the blank, as at K L M.

The said patterns may be of any required form for the work required, different patterns being required for different work.

N is a hand-rail, placed on the bed A, to facilitate moving the same around on the table I, in moving the blank up against the work.

The blanks, after being turned in some parts in the ordinary turning-lathe, are placed in this holding-device, for dressing the sides either in plain or irregular forms, as will be clearly understood by inspection of the drawings.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The arrangement of the pattern-guide G on the bed A, and, with respect to the centres, in the manner described and for the purpose set forth.

FRANKLIN KEAGEY.

Witnesses:

J. S. BRAND,
W. S. FLACY