

W. WALTER.
Leather Glazing-Machines.

No. 152,711.

Patented June 30, 1874.

Fig. 1.

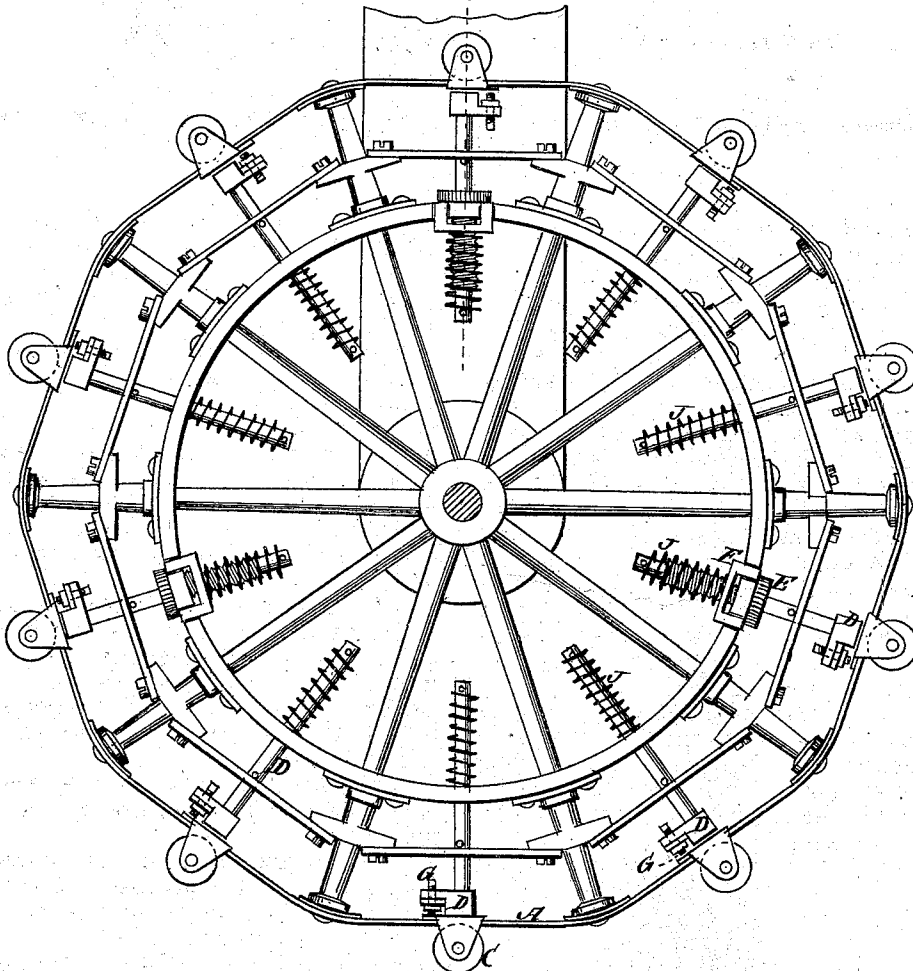
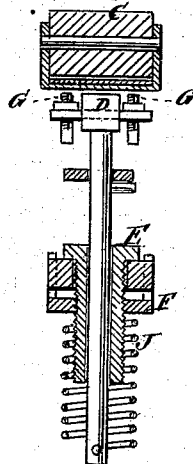


Fig. 2.



WITNESSES.

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WRIGHT WALTER, OF YONKERS, NEW YORK.

IMPROVEMENT IN LEATHER-GLAZING MACHINES.

Specification forming part of Letters Patent No. **152,711**, dated June 30, 1874; application filed April 18, 1874.

To all whom it may concern:

Be it known that I, WRIGHT WALTER, of Yonkers, Westchester county, New York, have invented a new and Improved Glazing-Machine, of which the following is a specification:

My invention consists of a rotary wheel, carrying the agate glazing-rolls on its face, to revolve against the morocco, leather, or other substance to be dressed, lying below the wheel on a spring bed or platform, the said glazing-rolls being mounted on a spring-band of metal at the middle of the spaces between the arms of the wheel on which the band is stretched, and under each roll is an adjustable spring-bearer, to regulate the pressure of the glazing-roll on the leather. These bearers are adjusted a little short of the band, so that when the rolls first strike the leather on the table the band will yield more readily, and thus not deliver blows as heavy as if directly supported by the beams. The beams are also provided with adjusting-screws by which to cause the agates to bear evenly on the leather throughout the whole length.

Figure 1 is a side elevation of my improved glazing-wheel, and Fig. 2 is a section of Fig. 1 on the line *x x*.

A represents a thin flexible band of metal, preferably steel, stretched around the wheel and attached to the arms B at the outer ends. C represents the glazing-rolls, which, however, do not roll when acting on the leather, but are merely fixed on journals, so as to be shifted around from time to time to change the rubbing-surfaces. These rolls are attached to the band midway between the arms, to be allowed to spring back when they traverse the bed. D represents the spring-bearers behind the rolls, to come into action very soon after the rolls strike the bed and press them on the work with the due measure of force which may be adjusted to the work in hand by the regulating-screws E and cap F, which contract or expand the springs, according to which

way the screws are turned. J represents the springs. G represents the adjusting-screws in the bearers for acting on the band A, to cause the rolls to press evenly throughout their length on the work.

Heretofore this kind of work has been done by rolls on a swinging frame, the rolls being attached so as not to yield, and the frame being moved forward and backward. This arrangement is very objectionable, because of the severe pounding action of the rolls on the bed when they come down to it in their curved paths, and because of the irregular to-and-fro motion and the loss due to stopping and starting.

In my arrangement the rolls are only held by the band when they strike the bed, which springs back so easy that the shocks are very light, and yet the requisite amount of pressure for performing the work is applied immediately after the rolls strike by the spring-bearers.

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

1. The glossing-rolls, in combination with the yielding-band A attached to the spokes of the wheel, as and for the purpose specified.
2. The combination of bearers D with the rolls, mounted on a yielding support arranged to re-enforce the said support after the rolls strike the bed for pressing the rolls on the work, substantially as specified.
3. The bearers abutting against a yielding band, provided with an adjustable spring, J, cap F, and adjusting-screw.
4. The combination of adjusting springs G with the bearers and the spring-band to adjust the rolls to the work, substantially as specified.

WRIGHT WALTER.

Witnesses:

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