

W. WILSON.
MANUFACTURE OF WALL PAPER.

No. 114,632.

Patented May 9, 1871.

Fig. 1.

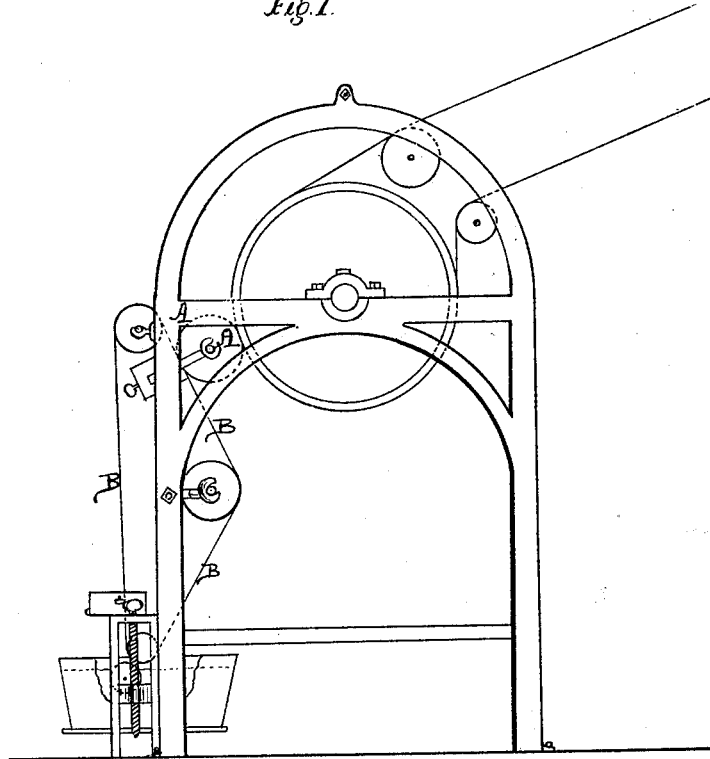
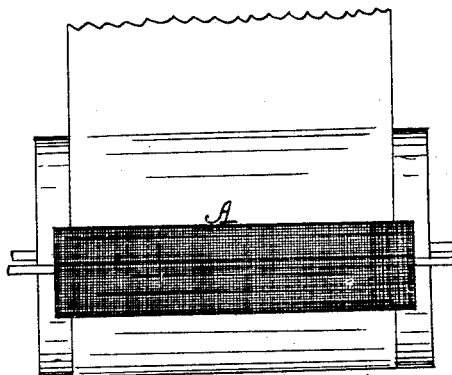


Fig. 2.



Witnesses:

Sam. A. Henszey.
Derry V. Kneass.

Inventor:

Wm. Wilson
by Blair Diederichsen
Atty.

United States Patent Office.

WILLIAM WILSON, OF EDGEWATER, NEW JERSEY, ASSIGNOR TO HOWELL
& BROTHERS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 114,632, dated May 9, 1871.

IMPROVEMENT IN THE MANUFACTURE OF WALL-PAPERS.

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, WILLIAM WILSON, of Edgewater, in the county of Burlington and State of New Jersey, have invented a new and useful Improvement in the Mode of Manufacturing Wall-Papers; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a side view of the device illustrating my invention.

Figure 2 is an end view thereof.

Similar letters of reference indicate corresponding parts in the two figures.

It is well known that wall-papers of the class designated as plain tints have been produced by the employment of a series of brushes for applying the colors, and another series of brushes for distributing and finishing the same.

This process is objectionable from the fact that the brushes will not evenly distribute the color, but will, in a measure, streak the surface, are apt to tear or cut the paper, and cake or clog with the coloring material, thus rendering the bristles harsh and "scratchy," whereby the utility of the brushes is destroyed, while the product is inferior and yet quite expensive.

I have discovered that paper can be "grounded" without the employment of brushes, and thus the

evils heretofore stated will be remedied. For this purpose I employ a soft-faced roller, A, and dispense with the brushes, and said roller will perform two functions, viz., it first takes the tint and then applies it to the paper, whereby it will produce the peculiar "ground" surface so desirable in papers of this class, and so perfect is that surface that subsequent brushing is entirely unnecessary.

When the roller receives the tint from the apron B it immediately imparts the ground to the paper, and its surface flattens itself against the paper so as to cause the ground to well-set on the paper.

There will be no scratching, streaking, unevenness, danger of tearing or cutting of the paper, and the other objections to the old process, and there will be saving in the cost of the product, whereby cheapness, superiority, and uniformity of work and safety of paper are combined in my invention.

I am aware that brushes have been employed for tinting papers, and therefore disclaim them; but

I do claim—

The grounding-roller, for first receiving and then directly applying the tint to the paper, and thereby dispense with the subsequent employment of brushes, as herein set forth.

The above signed by me this 13th day of March, 1871.
W. WILSON.

Witnesses:

C. H. WILLIAMSON,
WILLIAM HOWELL.