C. C. MACBRAIR.

Process for Glossing Labels.

No. 196,467. Patented Oct. 23, 1877.

Fig. 1

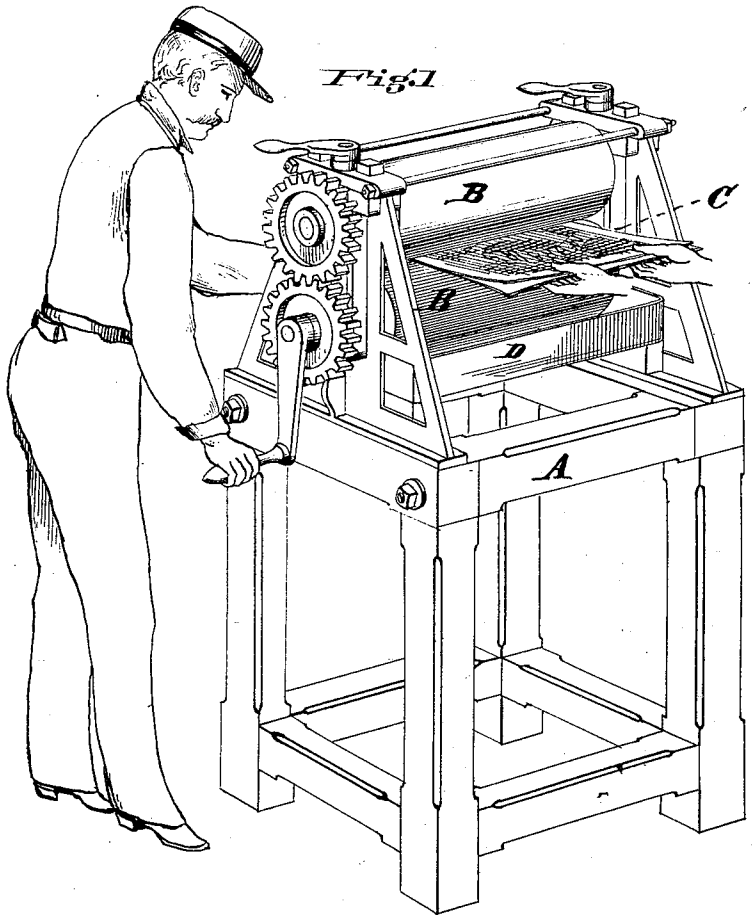
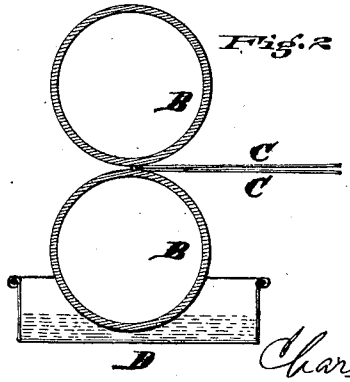


Fig. 2



Witnesses

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CHARLES C. MACBRAIR, OF CINCINNATI, OHIO.

IMPROVEMENT IN PROCESSES FOR GLOSSING LABELS.

Specification forming part of Letters Patent No. **196,467**, dated October 23, 1877; application filed August 2, 1877.

To all whom it may concern:

Be it known that I, CHARLES C. MACBRAIR, of Cincinnati, Hamilton county, State of Ohio, have invented an Improvement in the Process for Glossing Labels, of which the following is a specification:

My invention is designed to be used in applying gloss or sizing to printed sheets of labels, chromo-posters, printed wall-paper, or other sheets of paper, for the usual purpose of rendering the same water-proof and brilliant in appearance; and it is a process in which two sheets are glossed or sized at one and the same time, they being first secured back to back, or folded back to back, so as to present the prints on each sheet outside, and then passed in between rollers coated with gloss, one pass sufficing to completely gloss both sheets on the print side, without permitting any of the gloss to reach the backs of the sheets.

In the accompanying drawings, Figure 1 represents, in perspective, the rolls used in my process and the operation of glossing; and Fig. 2 is a cross-section of the rolls.

I first place the two prints C C back to back. This may be done by making double prints, and folding them back to back, or securing two single prints at one or more sides, at the extreme edge, back to back, and then passing them in this condition through the rolls.

A is the frame of the rolls, and B B the two rolls, geared together, as shown, and operated by a crank, *b*, or otherwise, the upper roll being adjustable in a manner common with rolls for other purposes. The lower roll runs in a vat, D, of gloss, and the upper roll takes its gloss from the lower one. When the length of the sheet is in excess of the circumference of the top roller, as would be the case in glossing wall-paper, this roller may have its own gloss fountain-vat to supply it with gloss.

In operation, I first turn the crank in a direction proper for feeding, but do not feed at once, as the gloss collects or floods in such quantity at the mouth of the rolls as to render feeding difficult; but, after running in the feeding direction until both rollers are coated, I reverse the rolls for a portion of a revolution, and in this act release the flooding at the mouth. I then reverse again, and at the same time feed the double sheet in, when, as both rollers are coated with gloss, both the prints are glossed on the face side, and the backs do not receive any. I have found this a very expeditious way of glossing sheets of labels, chromos, and other prints, and it is, of course, equally valuable in glossing or coating sheets of wall-paper.

I claim—

The herein-described process of glossing or sizing sheets of printed labels, or other sheets of paper, by first securing two sheets back to back, and feeding them in this condition between two rollers, which, when in motion, automatically receive the gloss or sizing from a fountain or vat.

In testimony of which invention I hereunto set my hand.

CHARLES C. MACBRAIR.

Witnesses:

JOHN E. JONES,

EDGAR J. GROSS.