

C. LANDOLT & F. WICHSER.

BRONZING-MACHINE.

No. 174,735.

Patented March 14, 1876.

Fig. 1

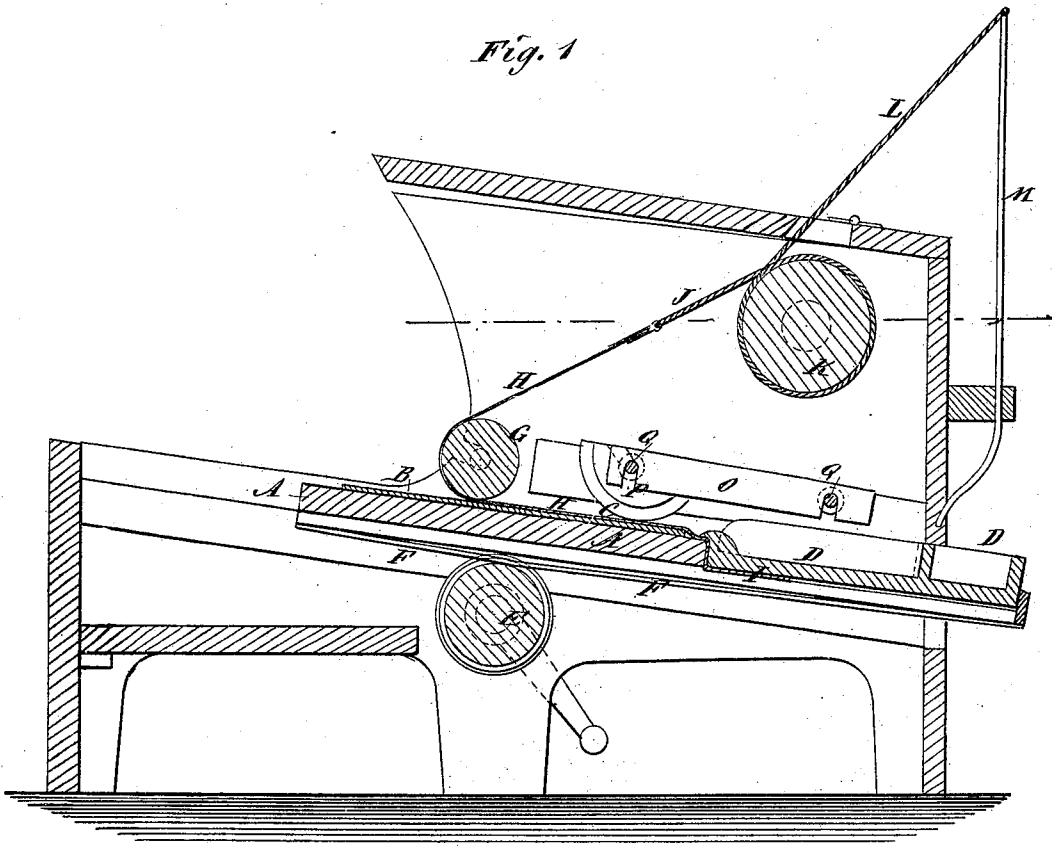


Fig. 2

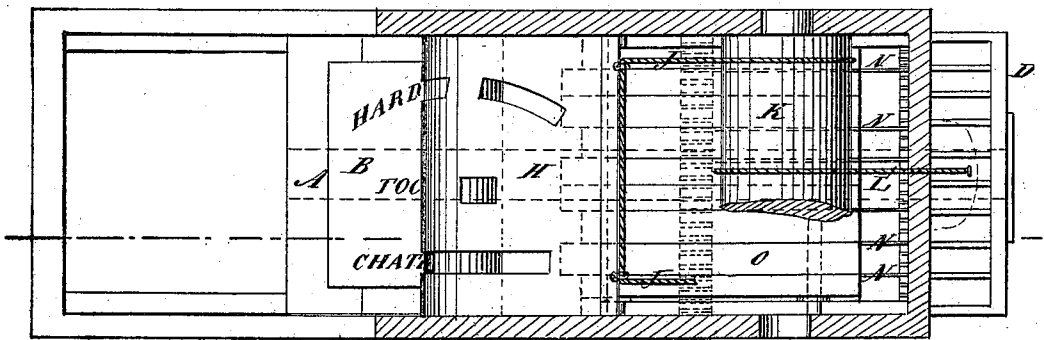
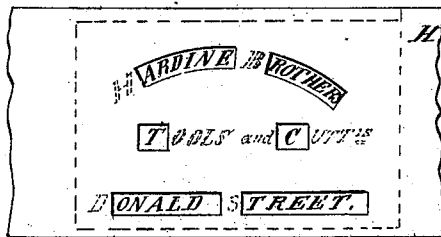


Fig. 3



WITNESSES:

C. Neuhaus
J. G. Bethals

INVENTOR:

C. Landolt and
F. Wichser
BY
Munroe
ATTORNEYS.

UNITED STATES PATENT OFFICE

CHRISTIAN LANDOLT AND FREDRICK WICHSER, OF TELL CITY, INDIANA.

IMPROVEMENT IN BRONZING-MACHINES.

Specification forming part of Letters Patent No. **174,735**, dated March 14, 1876; application filed February 5, 1876.

To all whom it may concern:

Be it known that we, CHRISTIAN LANDOLT and FREDRICK WICHSER, of Tell City, in the county of Perry and State of Indiana, have invented a new and Improved Bronzing-Machine, of which the following is a specification:

Our improved bronzing-machine consists of a flexible stencil combined with a sliding work-table, bronze-box, and bronzing-pads, in such manner that the stencil rolls down and lies on the work at the same time that it is moved under the bronzing-pads, and rises off as the table is moved back to take off the work, when the bronze-box moves up to the pads and supplies them, making a simple and efficient contrivance whereby cards, bills, &c., may be wholly or partly bronzed, and the pads and bronze-box are contrived so that different colors may be applied at the same time. The invention also comprises the combination of the table bronze-box and bronzing-pads without the stencil.

Figure 1 is a longitudinal sectional elevation of our improved machine, taken on line *xx* of Fig. 2. Fig. 2 is a horizontal section, taken on line *yy* of Fig. 1; and Fig. 3 is a plan of the stencil.

Similar letters of reference indicate corresponding parts.

A is the sliding table on which the card B, or other matter to be bronzed, is placed to be moved under the bronzing-pads C, to which the bronze powder is applied by the box D, which is made to slide forward and backward along with the table by the cranked drum E and strap F, so that the box comes under the pads when the table is drawn back to remove the work.

The work is held down on the table by a roller, G, and in case of need a little strip of card may be pasted on the table at the front end, to prevent it from being pushed forward by the pads. The machine is used in this form when the work is to be bronzed all over.

When the work is not to be bronzed all over we use the flexible stencil H, connecting it to the inner end of the table, say, by fixing it between the table and the bronze-box, and pasting it to the under side of the latter, as shown at I, or in any other approved way, passing it around roller G, and connecting the other end to the flexible cords J, which pass around roller K, which is connected by cord L with a spring, M, which keeps the stencil in proper tension while moving forward and backward with the table. The stencil is cut for allowing the pads to touch only the part of the work to be bronzed.

For employing different colors on the same work, the box D is divided by partitions N into as many parts as there are different colors to be used, and a pad is used for each color independently of the others.

When the pads are for lines widely separated from each other, partition-pieces O will be used to fill in the spaces between the pads, said pieces being contrived with notches P to be readily applied to and removed from their supporting-rods Q, and the pads are detachably connected to their supporting-rod.

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

1. The sliding table A, roller G, bronze-box D, and bronzing-pads C, contrived and arranged substantially as specified.
2. The combination of the flexible stencil H, with roller G, sliding table A, and bronzing-pads C, substantially as specified.
3. The adjustably-partitioned bronze-box, detachable independent bronze-pads C, and removable partition-pieces O, combined and arranged substantially as specified.

CHRISTIAN LANDOLT.
FREDRICK WICHSER.

Witnesses:

J. J. MEYER,
W. P. KNIGHT.