

L. JENNINGS.
Machines for Graining Pails.

No. 153,962

Patented Aug. 11, 1874.

Fig. 1

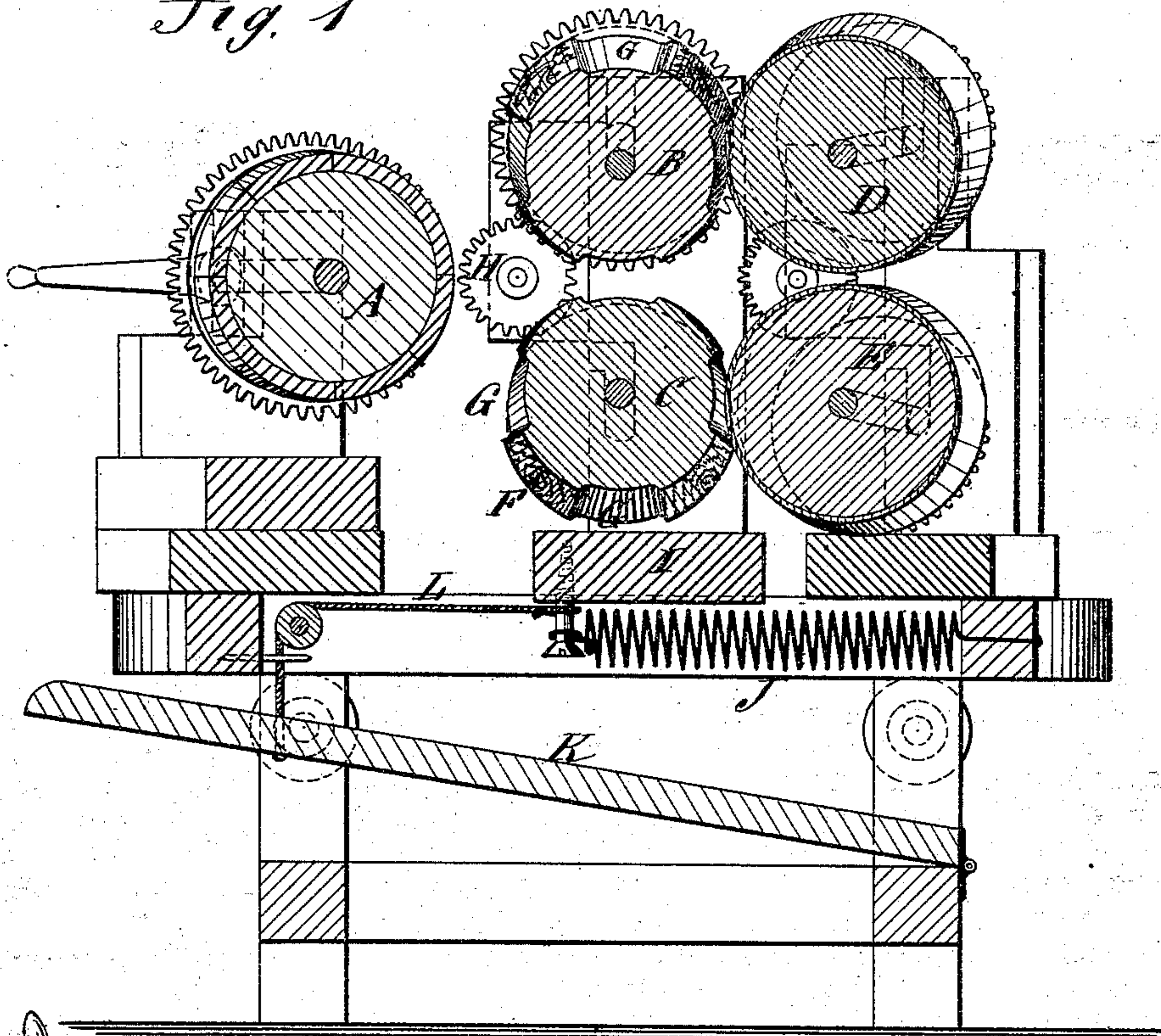
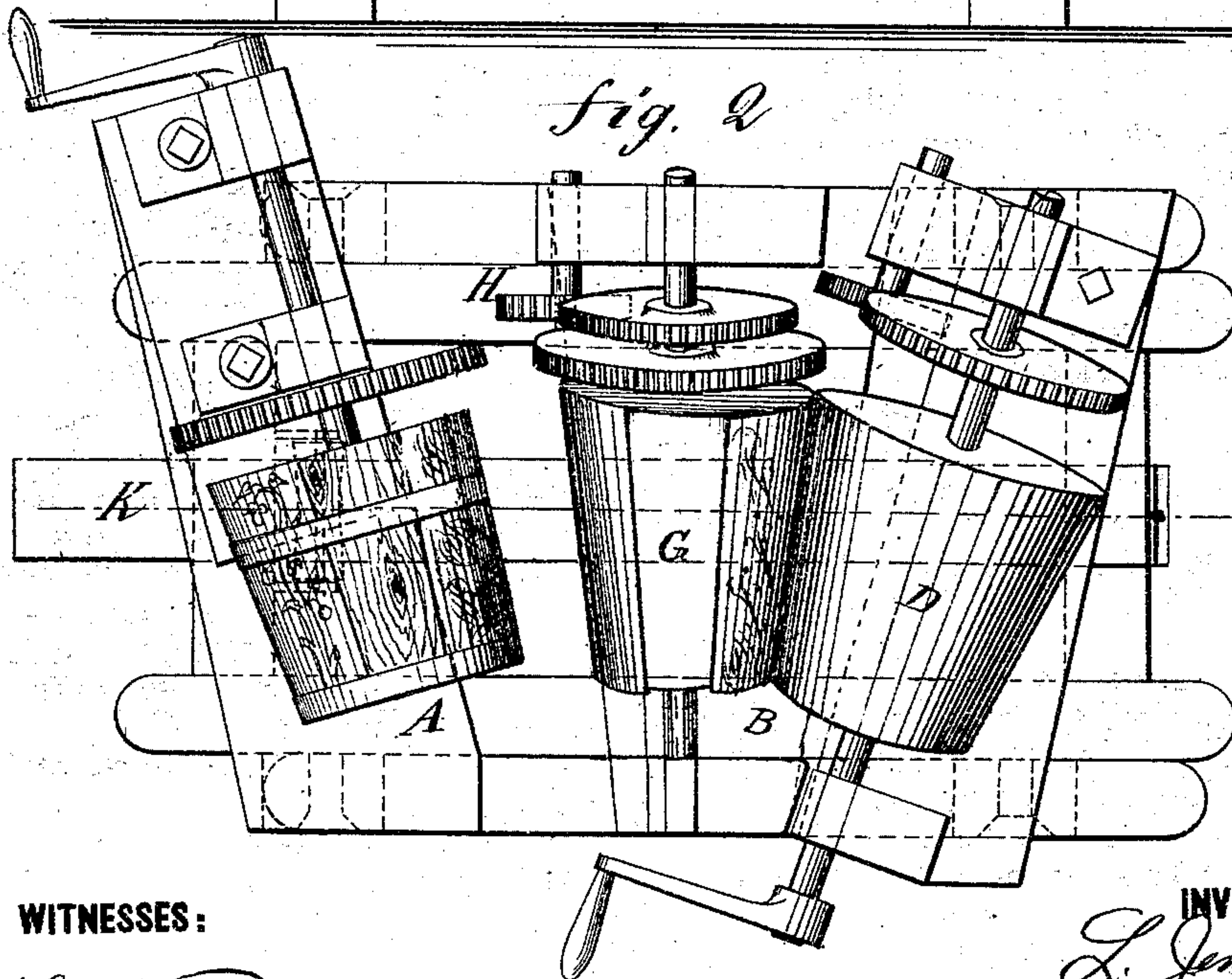


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

LYMAN JENNINGS, OF WINCHENDON, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR GRAINING PAILS.

Specification forming part of Letters Patent No. **153,962**, dated August 11, 1874; application filed May 29, 1874.

To all whom it may concern:

Be it known that I, LYMAN JENNINGS, of Winchendon, in the county of Worcester and State of Massachusetts, have invented a new and Improved Machine for Graining and Ornamenting Pails, Tubs, &c., of which the following is a specification:

My invention consists of tapered printing and inking rolls, and a roller-block for holding the pails, &c., combined and arranged to apply two or more colors to a pail or tub.

Heretofore only one color of ornamental figures has been applied to pails, tubs, and the like by one type-roller with type arranged continuously around it.

I propose to employ two or more type and two or more inking rollers for applying different colors, having the type arranged in sections alternating with spaces, and the type-sections of one roller acting on the pail or tub in the spaces left uncolored by the spaces of another roller.

Figure 1 is a longitudinal sectional elevation of my improved machine, taken on the line *x x* of Fig. 2; and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

A represents the block or roller on which the tub or pail to be grained or otherwise ornamented is placed. B and C represent two type or printing rollers for graining, printing, or otherwise ornamenting the pails or tubs; and D E represent inking-rollers, for applying

the ink to the type-rollers. The type-rollers have type portions F and vacant spaces G, and they are so geared by a wheel, H, which also turns the block A when printing the pails, that the type of one roller prints in the spaces left by the spaces of the other roller, and the inking-rollers have inks of different colors, which are thus applied to the pails in alternate order, when two printing-rollers are used.

By the same plan three or more printing-rollers may be employed.

The type-rollers are mounted on the sliding support I, to move forward and backward between the inking-rollers and the pail-carrying block to get the ink and apply it to the pails. They are moved in one direction by the spring J, and in the other by the treadle K and rope L.

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

In a machine for graining pails, &c., the combination of two or more type-rollers, and two or more inking-rollers, with the block or roller for carrying the pails and tubs, the type-rollers being arranged for alternate action, to print two or more colors, substantially as hereinbefore described.

LYMAN JENNINGS.

Witnesses:

GILES H. WHITNEY,
REUBEN VOSE.