

UNITED STATES PATENT OFFICE.

ELISHA M. POMEROY, OF WALLINGFORD, CONNECTICUT.

IMPROVED PROCESS OF VARNISHING BUTTONS.

Specification forming part of Letters Patent No. 7,102, dated February 19, 1850.

To all whom it may concern:

Be it known that I, ELISHA M. POMEROY, of the town of Wallingford, in the county of New Haven and State of Connecticut, a citizen of the United States, have invented a new and useful Improvement in the Process of Varnishing or Japanning and Finishing Straw-Board or Paper Dead-Eye Buttons, described in the specifications annexed to the Letters Patent of the United States heretofore granted to me, and bearing date respectively on the 24th day of November, 1843, and the 21st day of August, 1849, which new and useful improvement I proceed to describe as follows:

After the straw-board or paper dead-eye buttons have been prepared for the reception of a smooth coat of Japan or other varnish in the manner specified in said Letters Patent respectively, and of any desirable color, let them be put into a cylinder with so much Japan or other suitable varnish as will give them a good substantial coat (for which purpose I use about one gallon of varnish to a barrel of buttons) and revolved in the cylinder until all the buttons have received a like coating of the Japan or other varnish. They are then to be put into pans or other suitable vessels in bulk, there to remain in a warm room or an oven moderately heated until the varnish becomes so dry that the buttons, though they may slightly adhere to each other, can be removed and separated without chafing or defacing the varnish, when they are to be removed by a quick and rapid motion by shooting them into a tub or vessel of suitable size to receive them. They may then be returned immediately to the pans or

other suitable receivers in bulk and put into the kiln and baked until they are hard and fit for use. By this method the slow and tedious process of japanning buttons as usually practiced, and which consists in placing within a tub or other suitable vessel another tub or suitable vessel, the bottom of which is perforated with holes, so as to operate as a strainer into which the buttons are poured and immersed in varnish, which is afterward drained off by lifting up the inner tub, when the buttons are spread on boards separately, with the face of each button upward, and in such manner as that they shall not come in contact with one another, and in this manner baked, is wholly avoided, while at the same time the buttons are covered with a good and sufficient coat of varnish and finished by an operation by which as much work can be accomplished in thirty minutes by one person as in the usual mode of japanning would require the labor of eight or ten hands the whole day.

What I claim as my invention and discovery, and desire to secure by Letters Patent, is—

The process of japanning and baking the buttons in bulk, substantially as is hereinbefore described, after they have been prepared for the reception of a smooth coat of Japan or other varnish in the manner specified in my former Letters Patent respectively, or in any other method substantially the same.

ELISHA M. POMEROY.

In presence of—

E. H. IVES,
EDGAR ATWATER.