

UNITED STATES PATENT OFFICE.

DARIUS GOFF, OF REHOBOTH, MASSACHUSETTS.

IMPROVEMENT IN THE MODE OF GLAZING COTTON-BATTING.

Specification forming part of Letters Patent No. 4,353, dated January 15, 1846.

To all whom it may concern:

Be it known that I, DARIUS GOFF, of Rehoboth, in the State of Massachusetts, have invented a new and useful Improvement in Glazing Bats of Cotton, &c., to convert the same into pelisse wadding; and I do hereby declare that the following is a full and exact specification of the same.

Pelisse or cotton wadding, which consists of delicate fibers of cotton connected together and made into a bat by the operation of the carding-engine, has heretofore been glazed on the two surfaces by passing first one and then the other surface in contact with rollers or belts covered with the glazing-matter, as it was supposed that this could only be effected by moving the surface of the bat in contact with a glazed surface. This necessarily requires two operations to glaze the two surfaces and leaves the edges only partially covered or glazed, and consequently ragged and liable to fray out. My improved process avoids all these difficulties and renders the operation much more rapid. It consists in passing the batting or bat into and through the glazing-matter and at a velocity so great as to simply cover the entire surface, including the edges, and prevent the glazing-matter from penetrating to the inner fibers.

The manner in which I have applied my improved process is simply to pass the batting at a velocity of about thirty-six feet per minute

into and through the glazing-matter and under a roller near the bottom of the bat, and thence out, so that the batting shall pass through the glazing-matter in passing to and from the roller.

I wish it to be distinctly understood that I do not lay claim to this apparatus, as it has been employed for saturating with tar and other similar substances battings made of hempen and other coarse fibers employed in sheathing vessels, &c., the object being thoroughly to saturate the fibers to cause them to adhere to each other and to the cementing-matter with the view to form as near as practicable a water-proof fabric, the object and the fabric being entirely different from cotton or pelisse wadding; but

What I do claim as my invention in the process of glazing the fabric known under the general appellation of "pelisse or cotton wadding" is—

Passing it through the glazing liquid at a velocity substantially such as herein described, so as to cover the entire surface and edges without penetrating to the inner fibers, as described.

In testimony whereof I have hereto set my signature this 9th day of December, A. D. 1845.

DARIUS GOFF.

Witnesses:

R. H. EDDY,
CALEB EDDY.