UNITED STATES PATENT OFFICE.

HENRY GLYNN, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN MEDICATED FABRICS.

Specification forming part of Letters Patent No. **22,362**, dated December 21, 1858.

To all whom it may concern:

Be it known that I, HENRY GLYNN, of the city and county of Baltimore, and State of Maryland, have invented or discovered a new and useful article of manufacture to be used as a protection against all infectious and contagious diseases; and I do hereby declare the following to be a full, clear, and exact description of the manufactured article in question.

My invention consists in an article of manufacture composed of fibrous or textile material—such as cloth, paper, or other woven or felted goods—and chemically prepared with a mineral or metallic salt, as will be hereinafter particularly described, for the purpose of making such material proof against infectious or contagious diseases.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same, first explicitly stating that I do not allege to have discovered any new chemical property in the materials used, but to have produced a merchantable article, or article of commerce, which is ready at all times to be applied to the purpose herein mentioned, and the treatment is applicable to fibrous or textile fabric already made.

Into a vessel containing boiling water I introduce sulphate of copper, which solution is then neutralized with carbonate of soda. The material is then immersed in this liquid and boiled for, say, twenty minutes, or thereabout, after which they are thoroughly washed in several waters.

The following quantities of the ingredients which I use will show their relative proportions, viz: ten or fifteen pounds of electric calamine, fifteen pounds of sulphate of copper, and fifteen pounds of any common hard soap, the two latter ingredients being previously dissolved in boiling water. I do not limit myself to these exact quantities, but I have found them to answer the purpose intended, and in some cases I can dispense with the soap, using the calamine and copper only. The copper, or the calamine and copper, form the basis of the chemical preparation used for impregnating or saturating the fabric, and the carbonate of soda and the animal and vegetable soaps may, for certain material, be dispensed with, but the mineral or metallic salt never. So long, therefore, as a fibrous or textile fabric is prepared with a chemical compound for sanitary purposes, the basis of which compound shall be copper, or copper and calamine, I should claim such a manufactured article or material as being of my invention.

Having thus fully described the nature and object of my invention or discovery, what I claim as a new article of manufacture, and not heretofore introduced into the market, is—

Cloth or paper chemically prepared for sanitary purposes, with a solution of which copper, or copper and calamine, are the bases, such manufactured article being designed for the prevention, or as a protection against infectious or contagious diseases, and made as herein stated.

HENRY GLYNN.

Witnesses:
WM. L. HEYLOR,
WM. J. GELSTON.