

UNITED STATES PATENT OFFICE.

E. FREEMAN PRENTISS, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN LUBRICATING COMPOUNDS.

Specification forming part of Letters Patent No. 12,964, dated May 29, 1855.

To all whom it may concern:

Be it known that I, E. FREEMAN PRENTISS, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and improved compound oil, called "Wool-Oil," to be used in the manufacture of wool in the place of olive, lard, rape-seed, or other oils, which are more expensive than my compound wool-oil; and I do hereby declare that the following is a full and exact description of the ingredients and mode of manufacturing the said wool-oil.

The nature of my invention consists in the preparation and manufacture of an oil which answers the same purpose and is much cheaper than the various kinds of oils which are used in the manufacture of woollen goods of all descriptions in carding and weaving.

To prepare the wool-oil I take a quantity of oil-soap, indifferent as to lime provided the quality be good, and dissolve the same in hot water—say about thirty pounds of oil-soap to thirty gallons of water, or a sufficient quantity of hot water to entirely dissolve the oil-soap, as the water will only dissolve a certain quantity of the oil-soap. I then take an equal quan-

tity—gallon for gallon—of olive, lard, rape-seed, or any other kind of oil which can be used on wool in the process of its manufacture, and mix with it the preparation aforesaid—to wit., the soap solution—which, after such mixture, is ready to be used on the wool with an equally beneficial effect as if pure oil only had been used. The said wool-oil will not decompose by age. Neither can spontaneous combustion be produced from its use on wool. It will not decompose, because the oil of soap neutralizes the stearine matter in the oil. Hence there is nothing to decompose, and spontaneous combustion cannot be produced for the same reason.

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

The manufacture or preparation of a compound which I denominate "wool-oil," of the ingredients in the manner and for the purpose set forth.

E. FREEMAN PRENTISS.

Witnesses:

SAMUEL GRANT, Jr.,
C. PEMBERTON.