

UNITED STATES PATENT OFFICE.

HOMER T. YARYAN, OF RICHMOND, INDIANA.

IMPROVEMENT IN PROCESSES OF BLEACHING BEES-WAX.

Specification forming part of Letters Patent No. **194,799**, dated September 4, 1877; application filed June 18, 1877.

To all whom it may concern:

Be it known that I, HOMER T. YARYAN, of Richmond, in the State of Indiana, have discovered a new and useful Process for Bleaching Bees-Wax; and the following is declared to be a correct description of the said process.

Cotton cloths or fabric of any other suitable material are passed through melted yellow bees-wax, so that they are saturated and coated with a thin and uniform layer of wax. These are exposed to the action of sunlight until the color is discharged from the wax, and then placed in suitable vessels, where the bleached wax is removed by dissolving it with the volatile products of petroleum or other known solvents. The solution of wax is filtered through a layer of felting or woolen goods placed in the bottom of the vessel, and the volatile solvent is removed by the aid of heat.

I do not confine myself to the use of any particular kind of apparatus in conducting this process, as various kinds may be used, nor to the removal of the bleached wax by solution, although I prefer that mode, as it may be done by the use of heat and pressure.

The advantages of this process over the one in common use are, that the wax is exposed

in a uniform layer, and therefore the process of bleaching is accomplished in one operation; the wax is more easily handled, being firmly attached to the fabric, and consequently the expense of bleaching is less; it is not so subject to accidents by storms while exposed, as the cloths can be firmly attached to a line; and, finally, the impurities in the wax are more easily removed.

I claim as new—

The process of bleaching bees-wax, which consists in passing any material which will act as a body through melted bees-wax, so that it will be saturated and coated with a thin layer, and exposing the same to the action of sunlight until the color of the wax is discharged, afterward removing the bleached wax either by dissolving it in the volatile products of petroleum or other known solvents, and removing the solvent by the aid of heat, or removing by the use of heat and pressure.

Dated June 13, 1877.

HOMER T. YARYAN.

Witnesses:

J. J. RUSSELL,
J. L. YARYAN.