

UNITED STATES PATENT OFFICE.

JOHN BESANSON, OF TITUSVILLE, PENNSYLVANIA.

IMPROVEMENT IN PROCESSES FOR CLEANING PLUSH AND CLOTH.

Specification forming part of Letters Patent No. **195,334**, dated September 18, 1877; application filed June 8, 1877.

To all whom it may concern:

Be it known that I, JOHN BESANSON, of Titusville, in the county of Crawford and in the State of Pennsylvania, have invented certain new and useful Improvements in Process for Cleaning Plush and Cloth; and do hereby declare that the following is a full, clear, and exact description thereof.

The nature of my invention consists in a new and improved process for cleaning plush and cloth, as will be hereinafter more fully set forth.

The object of my invention is, principally, to clean and color the cloth or plush on railroad-car seats, which, by my process, can be done without ripping the cloth from the seats.

The seats and backs are removed from their chairs or supports without trouble, and all dust is first taken out of the cloth, after which it is steamed and sponged all over. If there are any stains or grease-spots on the cloth or plush they are taken out with alcohol; or, if that will not do it fully, then apply cochineal ammoniac, after which the cloth is again steamed and thoroughly sponged. The steaming is done by placing the seats and backs over steam-pipes, which are perforated to allow the steam to escape, surround, and penetrate the fabric.

The cloth is then colored with extract of cochineal or other coloring matter, combined

with a few drops of acetic acid and small quantities of flavin and salts of tin, all boiled together in a clean copper basin.

The cloth is then steamed again with the above preparation, and then sponged and allowed to dry. While drying, the cloth is subjected to a good brushing, and when it is perfectly dry it is steamed once more, and gum-tragacanth with salt dissolved in water is applied, after which it is again allowed to dry, and then brushed with a soft brush. This completes the process, and makes the cloth or plush appear as new.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The within-described process for cleaning and dyeing cloth and plush, consisting, essentially, of the following stages, viz: Removing all dust and stains, coloring with extract of cochineal or other color, acetic acid, flavin, and salts of tin; then steaming, sponging, and brushing; again steaming and applying gum-tragacanth and salt dissolved in water, and, finally, drying and brushing, substantially as herein set forth.

JOHN BESANSON.

Witnesses:

SAMUEL GRUMBINE,
J. D. LITTLEFIELD.