

UNITED STATES PATENT OFFICE.

JOHN A. J. SHULTZ, OF ST. LOUIS, MISSOURI, ASSIGNOR TO MARY E. SHULTZ, OF SAME PLACE.

LEATHER-STUFFING.

SPECIFICATION forming part of Letters Patent No. 337,287, dated March 2, 1886.

Application filed July 10, 1885. Serial No. 171,225. (Specimens.)

To all whom it may concern:

Be it known that I, JOHN A. J. SHULTZ, of St. Louis, Missouri, have made a new and useful Improvement in Leather-Stuffing, of which the following is a full, clear, and exact description.

The improved stuffing is not intended for all kinds of leathers, but for special leathers: first, leathers having tanned surfaces and an interior of rawhide; second, tawed leather; third, fulled-rawhide leather.

It consists of the following ingredients: petrolatum, (a preparation from petroleum, of recent date, made by Clark & Warren, Corry, Pennsylvania,) pine-tar, and tallow. In the colder weather these three ingredients are used in equal quantities, by weight. In the warmer weather a smaller proportion of the petrolatum is employed, as follows: of the petrolatum, two parts; of the tar, three parts; of the tallow, three parts; but however proportioned, the ingredients in use are first mixed and combined and then applied to the above-named leathers, substantially in the same manner, at the same times, and with the same means as in using the ordinary leather-stuffing. Thus, in applying it to fulled-rawhide leather, after the hides are dried they are dampened with water and then greased with the stuffing, which is worked into the hide with a stuffing-wheel or fulling-machine. The petrolatum is a good substitute for tannin, and is also a moisture and vermin repellent. It has a special value in being free from acid.

The improved stuffing is well adapted to the peculiar leathers described in the patents

granted me August 8, 1876, and February 20, 1877, respectively—namely, a leather whose surface layers only are tanned and whose interior is not tanned, or at least not fully tanned, and a fulled-rawhide leather. The stuffing fills the leather, imparts weight and body to it, and cures and preserves it. Neither of the ingredients named will by itself combine satisfactorily with the hide, nor will any two of them, and when thus applied to the hide pressure removes the greater portion from the hide; but when the three are used together, as described, the compound is absorbed by the hide, becomes part of it, making leather, and pressure subsequently applied does not appear to remove it.

I do not desire to be restricted to the precise proportions named above as being the best for use, as the amount of each ingredient of the stuffing might be somewhat varied and still good results be obtained. Nor do I wish to be confined to any one tallow or tar, as any of the tallows or tars used in tanning can be used in this connection.

I claim—

The herein described stuffing for leather having tanned surfaces and an interior of rawhide, for tawed leather, and for fulled-rawhide leather, the same consisting of petrolatum, tar, and tallow, combined in the proportions substantially as described.

JOHN A. J. SHULTZ.

Witnesses:

C. D. MOODY,
J. W. HOKE.