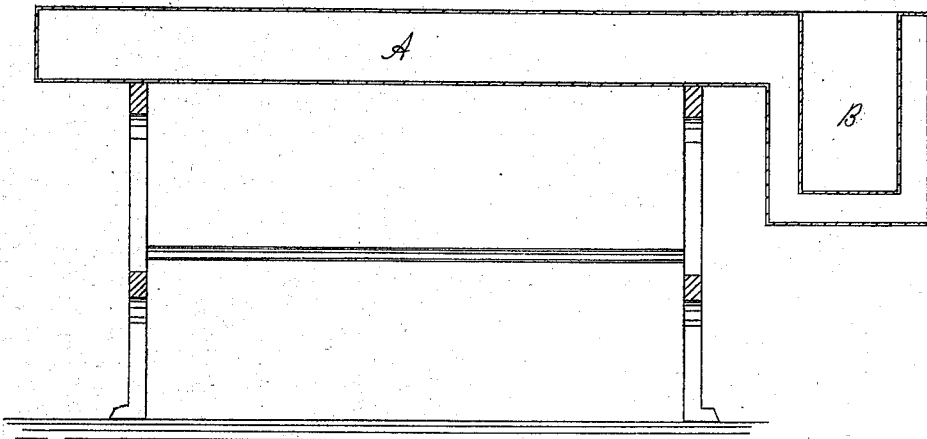


PERKINS & ENOS.

Improvement in Process and Apparatus for Stuffing Leather.

No. 131,777.

Patented Oct. 1, 1872.



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UNITED STATES PATENT OFFICE.

WILLIAM A. PERKINS, OF SALEM, AND JOHN A. ENOS, OF PEABODY,
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IMPROVEMENT IN PROCESSES AND APPARATUS FOR STUFFING LEATHER.

Specification forming part of Letters Patent No. 1,311,777, dated October 1, 1872.

To all whom it may concern:

Be it known that we, WILLIAM A. PERKINS, of Salem, in the county of Essex and Commonwealth of Massachusetts, and JOHN A. ENOS, of Peabody, in the same county and State, have invented certain Improvements in Process and Apparatus for Stuffing Leather, of which the following is a specification:

Our invention relates to an improved method of stuffing leather, and has for its object the more thorough and uniform incorporation of the grease and oil used for stuffing, accomplishing the result in a shorter time, putting the leather in immediate condition for whitening, and stuffing the leather with the exact quantity of grease and oil required without waste. The present method of stuffing upper leather consists in mixing a quantity of oil and grease or tallow in various proportions, and smearing one side of a side of leather with the compound; it is then hung up in lofts until a portion of the compound has been absorbed by the leather, that which is absorbed being chiefly the oily part; the tallow, or rather the largest proportion of the tallow, being left on the surface, and must be scraped off before the leather is whitened. A considerable time elapses before the oil is absorbed, and of the tallow, which it is desired to get as large a proportion of as possible into the leather, only a small quantity is absorbed, the balance being scraped off and wasted. Besides these there are other objections to the present process, which it is unnecessary to state.

Our invention consists in heating the leather uniformly and quickly, and applying the stuffing (which is also heated) to the leather while in a heated condition. The oil and tallow are both immediately absorbed. A definite quantity is at once incorporated with the leather, and it is ready for whitening without the intermediate process of drying.

The drawing indicates one method which

we have adopted for carrying our invention into effect, and represents a steam-table, A, upon which the leather is spread and heated by contact with the steam-heated metallic surface of the table. At one end of the table is placed the tank B, which is also heated by steam, for the purpose of heating and holding the stuffing used on the leather. The tank is arranged so that any surplus stuffing on the table will run back into the tank. A thermometer may be used to indicate the temperature at which it is desired to keep the table, which should be hot enough to warm the leather thoroughly and quickly without injuring it. The proper temperature will be readily ascertained and adjusted by those skilled in the art. Instead of the steam-table shown and described, a metal plate of proper size may be used, which is heated by steam-coils under the plate, or by other suitable means.

We are aware that in the process of stuffing leather by means of a revolving drum steam has been used for the purpose of combining the stuffing with the leather, and that this is a well-known method of stuffing. Our invention does not relate in any way to this method, nor do we claim the application of heat, except in connection with the apparatus shown and described, and which is denominated "table-stuffing."

We claim as our invention—

1. The process of stuffing leather, substantially as set forth.
2. In carrying the above-named process into effect, heating the leather in the manner and for the purpose substantially as described.
3. The steam-table A and tank B, combined and arranged for the purpose shown and described.

WM. A. PERKINS.
JOHN A. ENOS.

Witnesses:

JOHN A. BASSETT,
I. P. NICHOLS.