

UNITED STATES PATENT OFFICE.

CÉSAR MARTER, OF LONDON, ENGLAND, ASSIGNOR TO THE MARLOID MANUFACTURING (PARENT) COMPANY, LIMITED, OF SAME PLACE.

CONVERSION OF SKINS INTO HORNY MATERIAL.

SPECIFICATION forming part of Letters Patent No. 579,000, dated March 16, 1897.

Application filed May 11, 1896, Serial No. 591,147. (Specimens.) Patented in England January 25, 1895, No. 1,820.

To all whom it may concern:

Be it known that I, CÉSAR MARTER, a citizen of Germany, residing at 107 Charlotte Street, Fitzroy Square, London, in the county of London, England, have invented a new and useful Conversion of Skins into Horny Material, (for which a patent has been obtained in Great Britain, dated January 25, 1895, No. 1,820,) of which the following is a specification.

This invention relates to a process for converting skins of animals, preferably those of bovine animals, into a material of a horny character, more or less hard, elastic, and translucent, suitable for making buttons, busks, handles, boxes, gear-cases, golf-balls, insulating material, and other articles.

For this purpose the skins are subjected to the action of lime-baths, and are cleared in the usual way from the hair and the fleshy matter. The skins are then again subjected to a lime-bath, and afterward are soaked in water until the pores are freed from lime, after which they are thoroughly dried, preferably in warm chambers. The dried skins are then immersed for a short time in heated oil, such as linseed-oil or other vegetable oils, or oleaginous matter, such as vaseline or mixtures of such materials. When the product is desired to be somewhat soft and elastic

suitable for busks or bones for corsets and the like, the temperature of the oleaginous material in which the skin is soaked should not exceed 250° Fahrenheit. When a compact hard material is required, the temperature should be higher, up to the boiling-point of the oleaginous bath. In either case an immersion for a few minutes is sufficient, after which the material is pressed, so as to squeeze out surplus oil and flatten the converted skins, producing them in the form of plates or slabs.

Having thus described the nature of my invention, and in what manner the same is to be performed, I claim—

The process of converting skins into material of a horny character, consisting in heating the same (after the conclusion of the bathing and drying processes), in oil or similar material at a temperature of about 250° Fahrenheit, or above, whereby the albuminous or similar substances are changed to a horny character; substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 22d day of April, A. D. 1896.

CÉSAR MARTER.

Witnesses:

OLIVER IMRAY,
JNO. P. M. MILLARD.