

(No Model.)

A. TSHEPPE.
NAPHTHALINE PAPER.

No. 397,259.

Patented Feb. 5, 1889.

Fig. 1

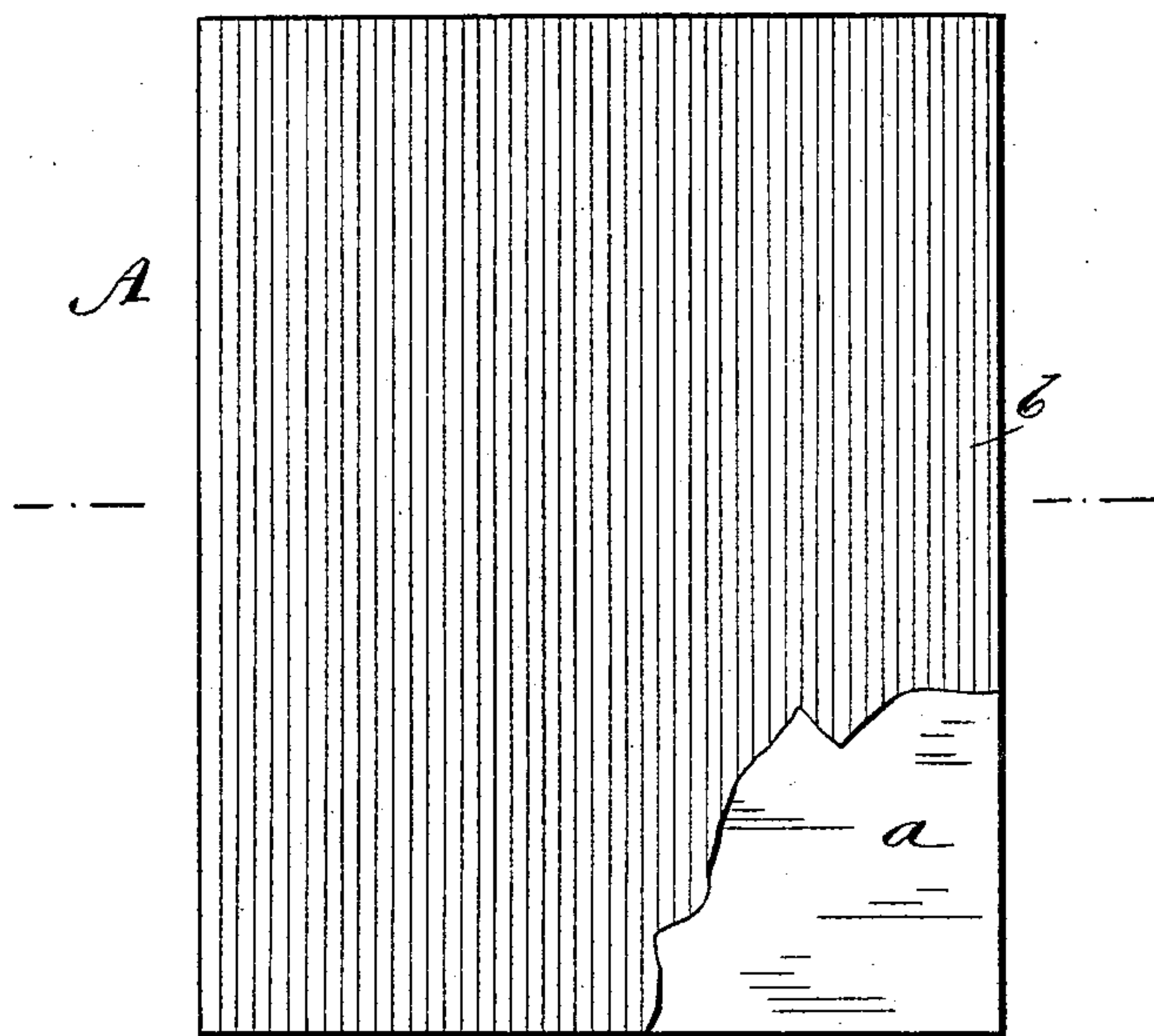
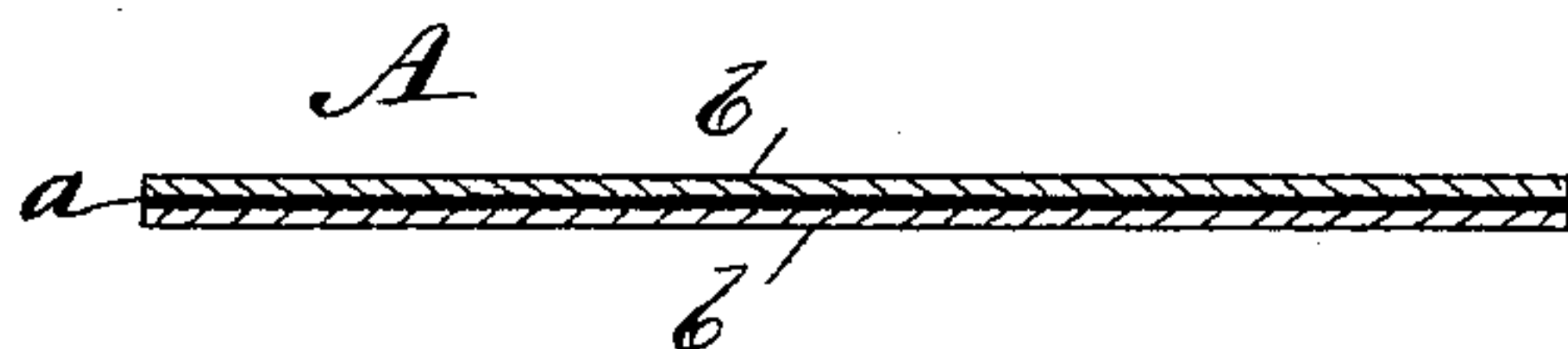


Fig. 2



WITNESSES:

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NAPHTHALINE PAPER.

SPECIFICATION forming part of Letters Patent No. 397,259, dated February 5, 1889.

Application filed April 21, 1887. Serial No. 235,630. (No specimens.)

To all whom it may concern:

Be it known that I, ADOLPH TSHEPPE, of the city, county, and State of New York, have invented a new and Improved Naphthaline Paper, of which the following is a full, clear, and exact description.

My invention relates to the manufacture of a paper or fabric with a coating of naphthaline on both sides of firm structure, porcelain-like appearance, and of any desirable thickness.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of a sheet, A, of naphthaline paper coated in accordance with my invention. *a* refers to the paper and *b b* to the coating of naphthaline. Fig. 2 is a sectional view of the completed sheet A.

This naphthalized paper is to serve as an insecticide in preserving furs and woolen goods from being injured by moths or other insects.

My invention consists in immersing paper, preferably not sized, first into a bath of molten naphthaline of a temperature as near the congelation-point as practical for the operation of dipping, by which a heavy deposit of naphthaline is obtained. This deposit is crystalline and porous, peeling off easily, and its surface is rough and warty; but if the paper covered with this first coat is then dipped rapidly into a bath of molten naphthaline of a higher temperature—say five degrees—then the interstices between the crystals first deposited are filled up and the coating becomes hard and compact, and the whole product is

of a porcelain-like appearance with smooth surface. By subsequent dippings this coating of naphthaline may be increased in thickness to any degree. Rollers need not be used for finishing. The advantage of this naphthalized paper is due to its convenient shape for the lining of trunks and the laying between goods. It acts by evaporation, giving out constantly poisonous emanations, killing insects without injury to the goods—through staining—while in direct contact with them. By its increased surface the evaporation is more profuse than from other molded pieces of naphthaline, while it does not enter into the meshes of fabrics, as crystalline naphthaline will do, which is with difficulty removed from goods.

I am aware that a naphthaline paper has been proposed by embedding a layer of naphthaline between two layers of paper or fabric, by which covering the evaporation of the naphthaline is necessarily impeded, and its object to act as an anti-moth defeated.

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

As a new article of manufacture, the sheet *a*, having a coating, *b*, of naphthaline in two or more superposed layers, the first presenting a rough appearance, the second filling up the interstices of the first layer and presenting a hard, compact, porcelain-like appearance with a smooth surface, substantially as described.

ADOLPH TSHEPPE.

Witnesses:

H. A. WEST,
EDGAR TATE.