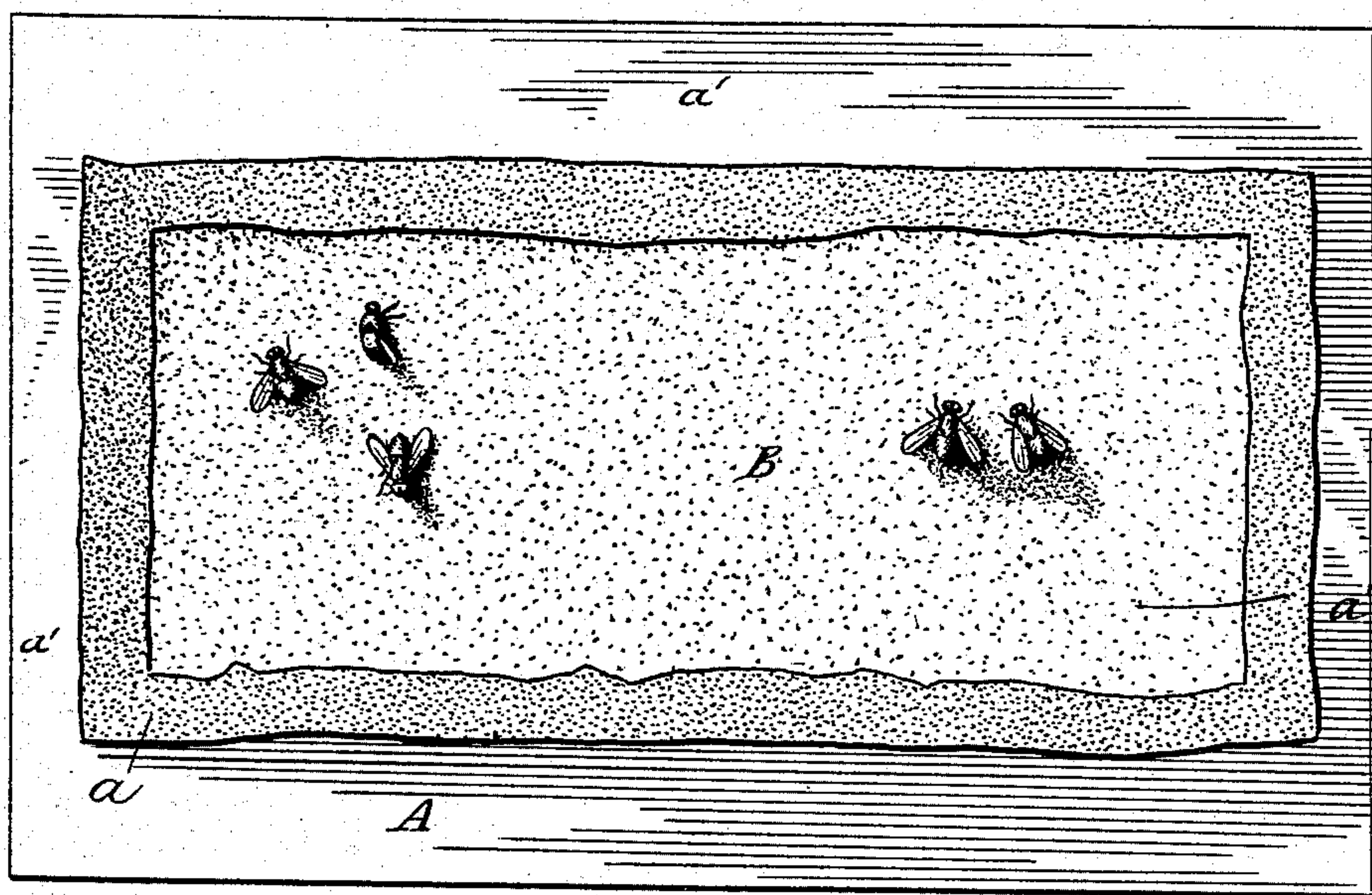


(No Model.)

O. THUM.
FLY PAPER.

No. 278,294.

Patented May 22, 1883.



Attest:
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Inventor
Otto Thum,
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Att'y.

UNITED STATES PATENT OFFICE.

OTTO THUM, OF GRAND RAPIDS, MICHIGAN.

FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 278,294, dated May 22, 1883.

Application filed February 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, OTTO THUM, a citizen of the United States, and a resident of Grand Rapids, in the county of Kent and State of Michigan, have invented a new and useful Improvement in Fly-Paper; and I do hereby declare that the following is a full, clear, and exact description of the same.

Sticky fly-paper, as ordinarily manufactured, consists of a sheet of sized paper coated with an adhesive mixture of resin and castor-oil, a margin being left uncoated for convenience in separating the sheets. The coated sheets are in some cases folded centrally, with the coated sides inward, and in lots of from twenty-five to one hundred packed in boxes for the trade. In warm weather the adhesive coating loses its consistency, softens and runs freely, and its tendency to spread is greatly increased by the pressure of the sheets packed closely together, the result being that the coating is pressed out over the uncoated margin and exudes between the sheets, soiling and sticking them together, and rendering them practically unsalable. For this reason large quantities of fly-paper cannot be kept on hand, since the demand for it is seldom uniform, and unless sold at once it spoils and remains on the dealers' hands.

My invention relates to an improved method of making and packing sticky fly-paper; and its object is to prevent the running and spreading of the adhesive coating under any circumstances, so that large quantities of the paper may be packed and transported without deterioration and kept on hand.

The invention consists in surrounding the adhesive coating with material of such a nature that it will adhere slightly to an adjoining sheet, but will separate readily for use, and when the sheets are in contact will prevent the adhesive coating from spreading.

The invention is illustrated in the accompanying drawing, which shows a sheet of fly-paper in plan view.

In preparing my fly-paper, I take a sheet of sized paper, A, and coat the central portion, B, with any proper adhesive composition, a, leaving a wide margin, a', on all sides. About twice the quantity of adhesive material needed for one sheet is used, and the coating is preferably accomplished by suitable machinery. Around the margin or edge of the sticky material I place a strip or layer, a, of some com-

position which will adhere closely to paper, but may be readily detached therefrom. This substance (preferably a resinous compound) entirely surrounds the sticky material on the sheet. Another prepared sheet is now placed face downward upon the first and immediately becomes coated with its proper amount of adhesive material. At the same time the paper margins adhere to the band or strip a, so that all the sticky substance is inclosed within such strip. Under these circumstances it is impossible for it to spread beyond the surrounding compound, and as there is a wide margin of paper outside the strip a the sheets may be readily separated, while such margin is always kept clean.

I do not limit myself to any particular manner of making and coating the fly-paper, nor to any certain composition for that purpose, since various means and various compounds may be employed.

When coated in this manner any number of prepared sheets may be packed together for shipment and sale without danger of the sticky substance running or spreading at any temperature. It will of course be understood that the surrounding compound is only slightly adhesive, without any tendency to spread.

The paper can be kept on hand for a long time without damage, and the advantages of my improved manner of coating the paper will be readily appreciated by both dealers in and users of the article.

I am aware that in medical practice a plaster of a non-adhesive or slightly-adhesive nature for bodily wear has been surrounded with a highly-adhesive margin to insure its sticking to the body, and as my construction is different, and could not be applied to plasters, I desire to disclaim the method alluded to as forming any part of my invention.

Having described my invention, I claim—

A sheet of fly-paper partially covered with a sticky composition, the latter being surrounded with a band or margin of less but still slightly adhesive material.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OTTO THUM.

Witnesses:

FREDERICK LOETTERT,
HUGO THUM.