

(No Model.)

O. THUM.
STICKY FLY PAPER.

No. 534,457.

Patented Feb. 19, 1895.

Fig. 1.

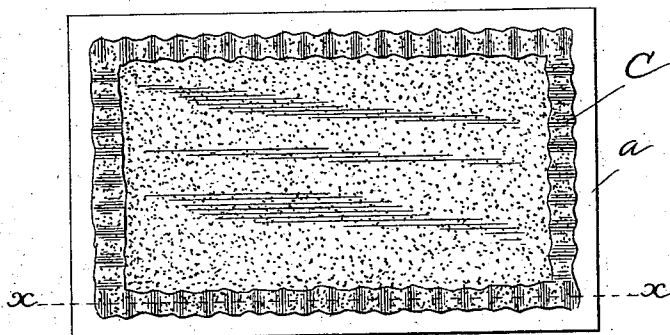
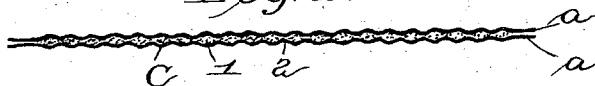


Fig. 2.



Attest
Wm. J. Hall
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by Ellis Spear
Atty

UNITED STATES PATENT OFFICE.

OTTO THUM, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO O. & W.
THUM CO., OF SAME PLACE.

STICKY FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 534,457, dated February 19, 1895.

Application filed June 25, 1894. Serial No. 515,575. (No specimens.)

To all whom it may concern:

Be it known that I, OTTO THUM, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Sticky Fly-Paper, of which the following is a specification.

The particular class of sticky fly paper, to which my invention pertains is that in which a dam is formed on the margin of the sheet and about the soft and sticky or fly catching material, the dam being composed of a resinous or gummy material, sufficiently firm under ordinary atmospheric temperature to restrain the soft interior and to prevent it from flowing outward, but also sufficiently adhesive to hold itself to the paper, and to yield its hold when the sheets are separated. Such a dam or border is shown in Letters Patent of the United States, granted May 22, 1883, numbered 278,294. This seal as heretofore made, is of substantially uniform thickness or depth throughout, and when the leaves or sheets between which it is located, are separated, it sometimes is detached from both leaves, and when any considerable length of the border or dam is so attached and stands out between the separating leaves it breaks off, and falls, either upon the sticky material on which it is a detriment, or upon the floor. This difficulty I have overcome by reducing the thickness of the border or dam, so that, while retaining the general height of the dam, above the surface of the sticky material, it is still so weakened at intervals that it breaks, at the weakened places, and leaves only fragments of such length, that they remain upon the paper, on one side or the other. I produce this weakening, by transverse corrugations such as those illustrated in the accompanying drawings, in which—

Figure 1— shows the sheet in plan view, and Fig. 2— represents a section taken on line $x-x$, of Fig. 1.

In the drawings the sheet shown is the same or may be the same as those now commonly known and sold as sticky fly paper. The sheet is double being composed of two parts a, a , between which is the sticky material

on both faces. Around the edge of the sticky material, and near the margin of the paper, is the sealing border C. This is made of a depth slightly greater than that of the sticky material, so that the weight of the overlying material, when the sheets are packed for storage or transportation, shall rest with greater pressure on the sealing border, than upon the softer adhesive interior, and thus there is a less tendency to force this softer material outwardly and to break the seal.

In order to maintain the required thickness and at the same time to prevent the fracture and separation of the border, I have corrugated the border transversely of its length so that it is composed of alternating thick and thin portions. These are shown in Fig. 2, the thicker portions being at 1, and the thinner at 2.

The seal is made of the described form preferably by running the fly paper between two rollers having projecting ribs that register with the seal as the paper passes through between; said ribs being corrugated or formed with such surfaces as will produce this unevenness in the thickness of seal, the operation being performed while the seal is in pliable condition. When so corrugated the general height or thickness of the border is not lessened notwithstanding that there are thinner intervals. It serves the same purpose as a dam or retaining border and in opening the fragments of the border remain upon the paper.

I claim—

1. A sheet of sticky fly paper provided with a retaining border composed of sealing material weakened transversely at intervals, substantially as described.

2. Sticky fly paper having retaining border composed of sealing material transversely corrugated, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

OTTO THUM.

Witnesses:

RICHARD Q. VOS,
F. DUNNEBACKE.