(No Model.)

H. W. STECHER.

STICKY FLY PAPER.

No. 447,121. Patented Feb. 24, 1891.

Fig 2.

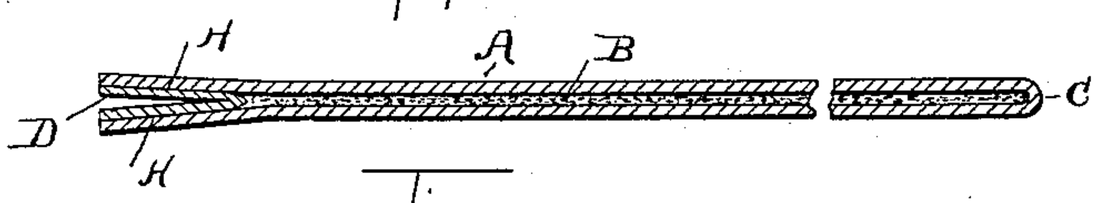


Fig 3.

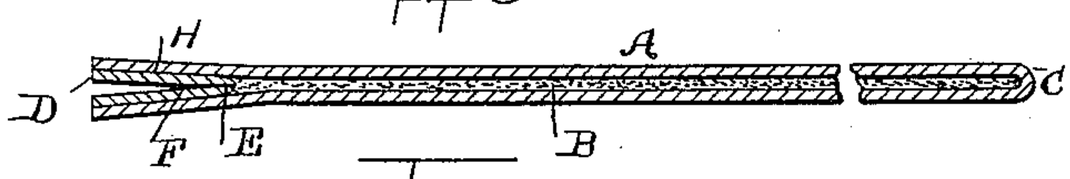


Fig 4.

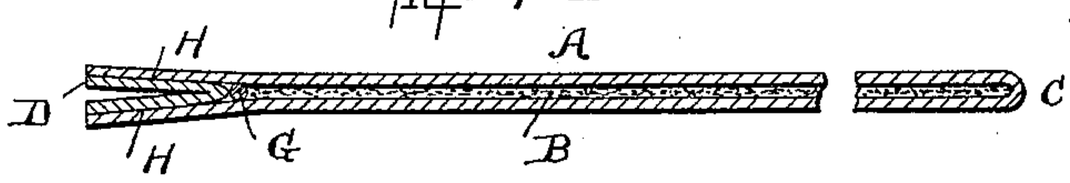


Fig 5.

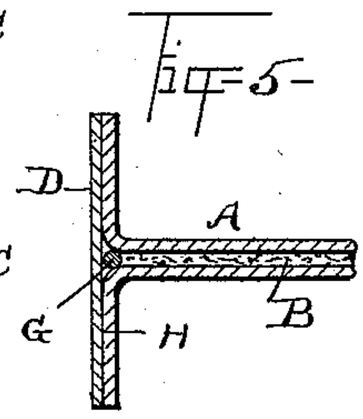


Fig 1.

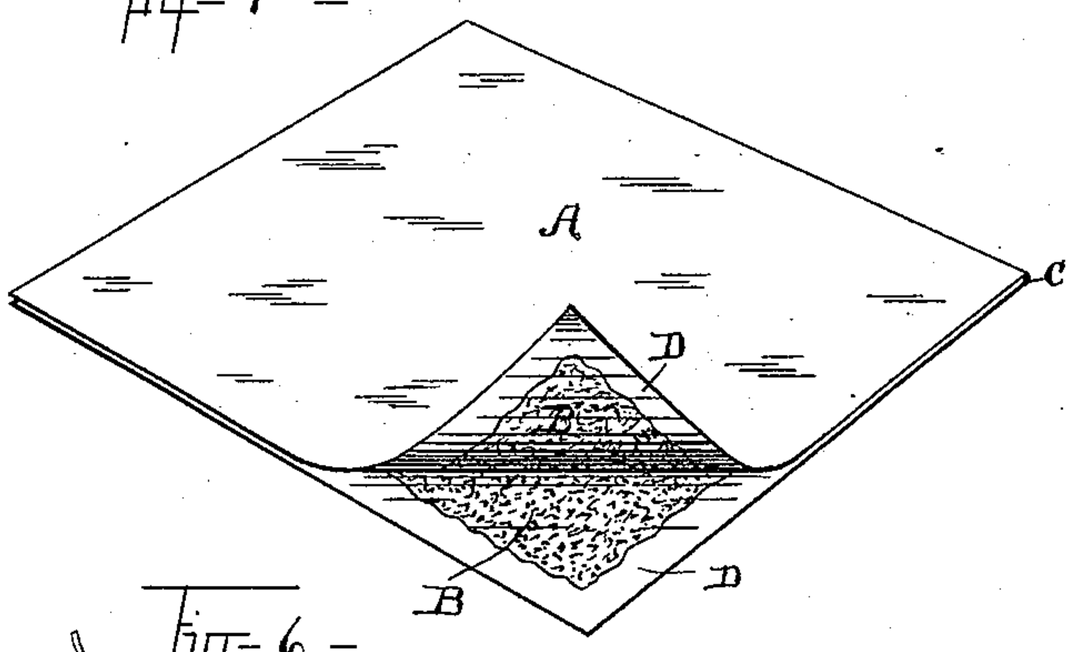
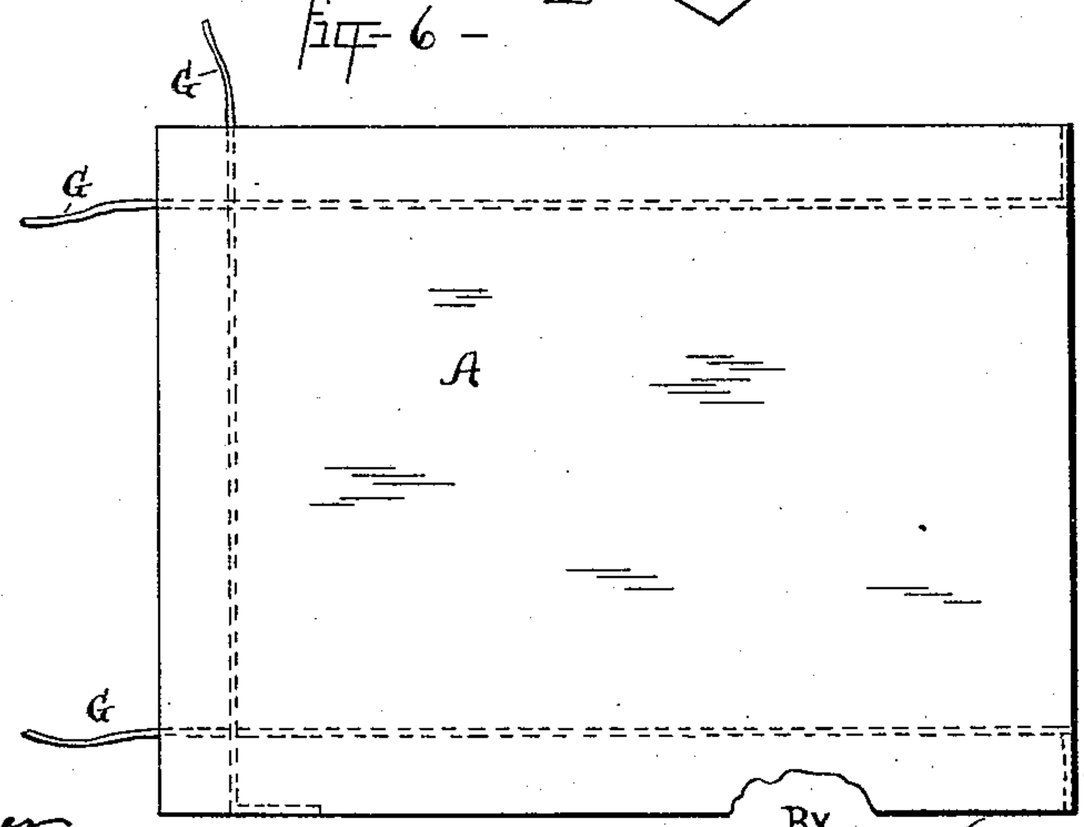


Fig 6.



WITNESSES

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STICKY FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 447,121, dated February 24, 1891.

Application filed September 17, 1890. Serial No. 365,306. (No specimens.)

To all whom it may concern:

Be it known that I, HENRY W. STECHER, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Fly-Paper, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle so as to distinguish it from other inventions.

My invention relates to sticky fly-paper; and it consists in the improved construction and combination or arrangement of parts hereinafter fully disclosed in the description, drawings, and claims.

In packing and storing fly-paper of the above-mentioned kind, especially during warm weather, the sticky substance is apt to become liquid and ooze out at the edges. It has been tried to avoid this objectionable feature by surrounding the sticky substance upon the sheets by frames or borders formed by either folding the edge of the paper or by attaching strips of various materials to the sheet, or by otherwise thickening the margins of the sheets so that the sticky substance would be confined by the frames and would not be squeezed out by the pressure of the superposed sheets. Doubled or folded strips of paper or adhesive material have also been secured over the edges of two superposed sheets to confine the sticky substance. The former manner of confining the substance between two sheets has necessitated considerable labor and expense in folding the edge of the sheets in over the sticky substance or in attaching the strips to the margins of the sheets, both of which styles I have found too expensive and laborious in practice, and the latter manner of sealing the edges of the sheets by attaching a doubled or folded strip over the edges has the objectionable feature of rendering the opening or unfolding of the sheets difficult without a paper-cutter or other device for cutting or slitting the doubled edge of the sealing-strip. I have therefore provided a novel style of sealing-strip which will effectually seal the edges of the sheets and at the same time be easily opened.

The accompanying drawings, which form a part of this specification, and in which the same reference-letters indicate the same parts, illustrate my invention.

In said drawings, Figure 1 represents a perspective view of my improved fly-paper, showing it in the act of being opened; Fig. 2, a section of a sheet; Fig. 3, a section of a sheet provided with a modified form of sealing-strip; Fig. 4, a section of a sheet provided with another modified form of strip; Fig. 5, a section of said sheet and strip, showing the margins of the sheet folded out ready to be opened by means of the thread or cord; and Fig. 6, a plan view of said sheet, showing the strips and threads or cords in dotted lines.

In the drawings, the letter A indicates the sheet which has the sticky substance B spread upon its surface, leaving uncoated margins H, and is folded or doubled upon itself at C so as to bring the uncoated surface of the sheet outward for packing and storing the sheets.

The free edges of the doubled sheet are sealed by means of doubled or folded strips D, which are glued or pasted to the margins of the sheet upon their outer surfaces by any suitable adhesive and are inserted between said margins or edges with the doubled edge inward, as clearly shown in the drawings. It is obvious that said sealing-strips when in place will completely prevent all oozing out of the sticky material and that when severed at the inner folded or doubled edges the sheet may be unfolded for use, as illustrated in Fig. 1 of the drawings.

For the purpose of rendering more easy the severing of the strips at the inner folded or doubled edges, said edges may be perforated, as shown at E, Fig. 3, and the perforations may be closed by a thin string or coating F, of some adhesive and brittle material, such as a mixture of castor-oil and rosin, similar to the mixture used for the sticky substance, but containing more rosin in proportion to the oil. Said string or coating F will prevent the sticky material from flowing out through the perforations.

Threads or cords G may be placed inside of the folded or doubled edges of the sealing-strips, secured at one end and projecting beyond the edges of the sheet at the other end. By spreading the united sealed margins of

the sheet in the manner shown in Fig. 5 and pulling upon the free ends of said threads or cords the folded or doubled edges may be easily and cleanly severed and the sheet unfolded for use. It is obvious that this doubled or folded sealing-strip will serve the two purposes of sealing the edges of the sheets when folded, preventing the sticky substance from oozing out, and of preventing the sticky substance from flowing out and soiling the margins of the sheet when unfolded and spread, keeping said margins clean.

By the use of my improved sealing-strip the sticky fly-paper may be kept for any length of time without deteriorating and without any danger of soiling the box in which it is kept or of one sheet soiling and becoming adherent to the others.

While I prefer to fold each sheet doubled upon itself and seal the three remaining free margins, yet it is obvious that two sheets may be placed face to face and all four margins be sealed without departing from the spirit of my invention.

The foregoing description and accompanying drawings set forth in detail devices embodying my invention. Change may be made therein provided the principles of construction respectively recited in the following claims are employed.

I therefore particularly point out and distinctly claim as my invention—

1. The combination, with a pair of sheets or leaves of sticky fly-paper placed face to face with the coated surface and having uncoated margins, of longitudinally doubled or folded sealing-strips inserted with their doubled edges between said uncoated margins and attached to the same with a permanent adhesive, substantially as described.

2. The combination, with a sheet of sticky fly-paper doubled upon itself upon the coated surfaces and having uncoated margins, of longitudinally doubled or folded sealing-strips inserted with their doubled edges between said uncoated margins and attached to the same with a permanent adhesive, substantially as described.

3. The combination, with a pair of sheets or leaves of sticky fly-paper placed face to face with the coated surfaces and having uncoated margins, of longitudinally doubled or folded strips inserted with their doubled edges between said coated margins, attached to the same with a permanent adhesive, and provided at said doubled edges with means for easily severing said doubled edges, substantially as described.

4. The combination, with a pair of sheets or leaves of sticky fly-paper placed face to face with the coated surfaces and having uncoated margins, of longitudinally doubled or folded strips inserted with their doubled edges between said uncoated margins, attached to the same with a permanent adhesive, and having perforations at said doubled edges, and a string or coating of adhesive and brittle material filling said perforations, substantially as described.

In testimony that I claim the foregoing to be my invention I have hereunto set my hand this 5th day of September, A. D. 1890.

HENRY W. STECHER.

Witnesses:
J. B. FAY,
GEO. A. SNOW.