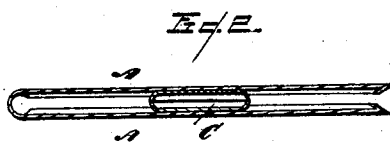
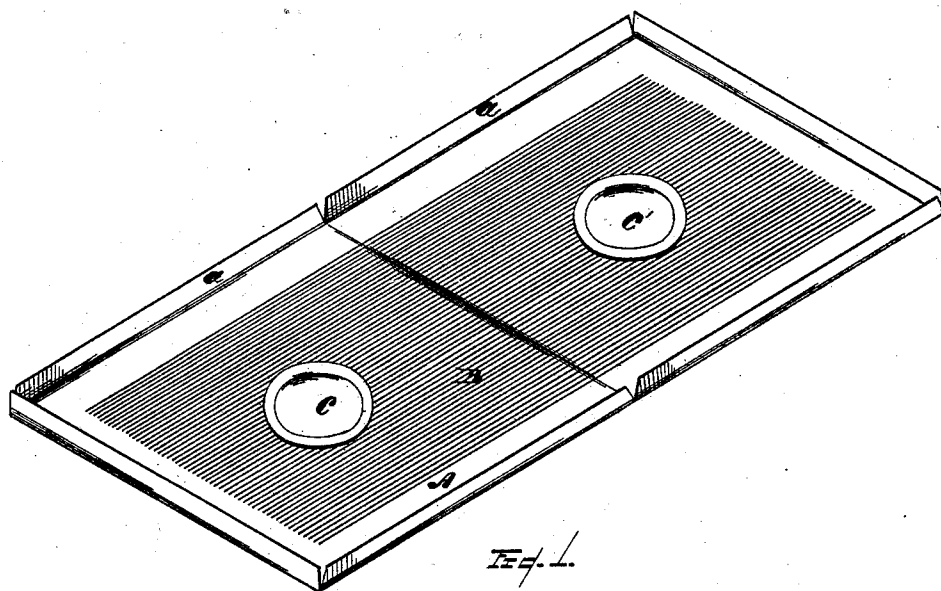


(No Model.)

L. H. GARDNER.
FLY PAPER.

No. 360,957.

Patented Apr. 12, 1887.



WITNESSES

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LLEWELLYN H. GARDNER, OF DETROIT, MICHIGAN.

FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 360,957, dated April 12, 1887.

Application filed June 21, 1886. Serial No. 205,848. (No model.)

To all whom it may concern:

Be it known that I, LLEWELLYN H. GARDNER, of Detroit, county of Wayne, State of Michigan, have invented a new and useful Improvement in Fly-Paper; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to certain new and useful improvements in what is known as "fly-paper;" and it consists of the devices and their combinations, as more fully hereinafter described, and more particularly pointed out in the claims.

In the drawings, Figure 1 is a view in perspective illustrating my invention; Fig. 2, a sectional view of the wafer, showing its position when the package is folded.

This invention relates to that class of fly-papers where a sticky or adhesive material is applied to a background.

Heretofore the background has ordinarily consisted of a sheet of paper, the adhesive substance being ordinarily a mixture of resin and castor-oil.

I do not limit myself to any particular composition of the adhesive mixture employed.

The sheet of paper with the adhesive mixture applied thereto is commonly folded when the article is put upon the trade, and when sold to the consumer is opened out. In the use of paper, however, in this connection as heretofore applied it has been found that the mixture enters the pores of the paper, penetrates the same to such a degree as to render the paper more or less sticky upon its face opposite to that upon which the mixture is applied. This has been found to be a serious detriment, for the reason that the manufacturers have frequently had quantities of such fly-paper thrown upon their hands by the jobbers, for the reason that the mixture has penetrated the paper and rendered its opposite side sticky, different sheets of paper sticking together, rendering it difficult to handle and unpleasant for use.

My invention is designed to remedy this difficulty heretofore existing, and to provide

a fly-paper in which there will be no liability whatever of the mixture penetrating the background upon which it is applied, overcoming effectually any danger of the opposite surface of the background becoming sticky on account of any penetration, so making my improved fly-paper an article readily and pleasantly handled at all times.

I have found that instead of using ordinary paper for the background to which the adhesive mixture is applied, that when said mixture is applied to a background consisting of parchment-paper all tendency for the mixture to penetrate the background is entirely obviated, and that the mixture will not penetrate the parchment paper even under a very considerable degree of heat, the parchment-paper being found to be completely impervious to the penetration of the mixture, so that when the mixture is applied to a sheet of parchment-paper the sheet may be folded for handling. The parchment-paper never becomes sticky upon its face opposite to that on which the mixture is applied, and so all difficulty is overcome which has heretofore existed, as above narrated.

The sheets are, it is understood, folded intermediate of their edges, so that the mixture is folded inward, and packages of the article so constructed and folded may be packed and handled by the trade, and also by the consumer, freely, without any liability whatever of their sticking together, or upon any article upon which they may be located, warm weather having no effect in producing any penetration of the mixture through the parchment-paper. My improvement thus prevents the spoiling of the goods, which has heretofore resulted when they have been kept on hand by the jobber for many days.

My invention contemplates, also, the remedy of this difficulty, which I accomplish by turning the border around the edge of the sheet of parchment-paper, as shown at *a*, *A* being the parchment-paper and *B* indicating the adhesive mixture applied thereto. This border may be turned over and down upon the parchment-paper. The sheet is thus surrounded by a raised border, which serves to prevent the spread of the mixture over the edges of the sheet, and when the sheet is opened out for

use the folded border will naturally be raised more or less, effectually preventing the spread of the mixture from off the parchment-paper, so that the sheet may be located even upon an incline without danger of the mixture running off. Furthermore, it has been found difficult heretofore to combine with a compound composing the adhesive mixture various substances which might be used to attract the flies to the paper, for the reason that such substances have been found either to granulate the compound or to harden it, and thus rendering it inefficient; but I have discovered a way in which to apply to the fly-paper a wafer provided with a substance calculated to attract the flies—such as a saccharine matter. Accordingly, in the drawings, C represents a wafer, which I prefer to construct of two sections, C C', preferably concave on their inner surfaces, so as to hold a desirable quantity of said saccharine matter. The two sections of this wafer may be engaged with the adhesive mixture upon one of their respective faces upon opposite parts of the folded sheet, so that when the sheet is folded the two sections C C' will embrace the saccharine-matter between them. The adhesion of the mixture upon the parchment-paper being greater than that between the saccharine matter of the two sections, permits the sheet being opened out, the two sections being thus separated from each other, as shown in Fig. 1, leaving the attractive substance exposed. The wafers are made of sized paper, such as common Manila paper, coated on both sides with a glue size, and holding between them, when folded, a small quantity of honey or other suitable substance to attract the flies. The wafers are preferably located near the margin, so that if they should not separate readily to leave the open parts on each side they can easily be reached by the finger-nail, and thus be opened.

It is evident that a border, folded in this

manner, and the application of the wafer may be employed irrespective of the material of which the background is composed.

What I claim is—

1. A fly-paper consisting of a folded sheet of parchment-paper, the adjacent pages of the parchment-paper provided with an adhesive compound spread thereon, the construction being such that said pages may adhere when folded and be opened to expose said compound, substantially as described.

2. A fly-paper consisting of the combination, with a background of suitable material, of an adhesive compound spread thereon upon one of its faces, said background having its edges folded to form a raised border, substantially as and for the purpose described.

3. A fly-paper consisting of a sheet of parchment provided with an adhesive compound spread upon one of the faces, the border of said parchment-paper being folded to form a raised edge about said compound, substantially as and for the purpose described.

4. A fly-paper consisting of a background of any suitable material provided with an adhesive compound upon one of its faces, having in combination therewith a wafer provided with a saccharine or equivalent fly-attracting material, substantially as described.

5. A fly-paper consisting of the combination, with a background of any suitable material provided with an adhesive compound applied thereto, of adhering wafers located so as to come in contact upon folding said background at the center, said wafers provided with an attractive substance, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

LEWELLYN H. GARDNER.

Witnesses:

N. S. WRIGHT,

M. B. O'DOHERTY.