

No. 681,306.

Patented Aug. 27, 1901.

S. FRENKEL.
FLY CATCHER.

(Application filed Jan. 31, 1900.)

(No Model.)

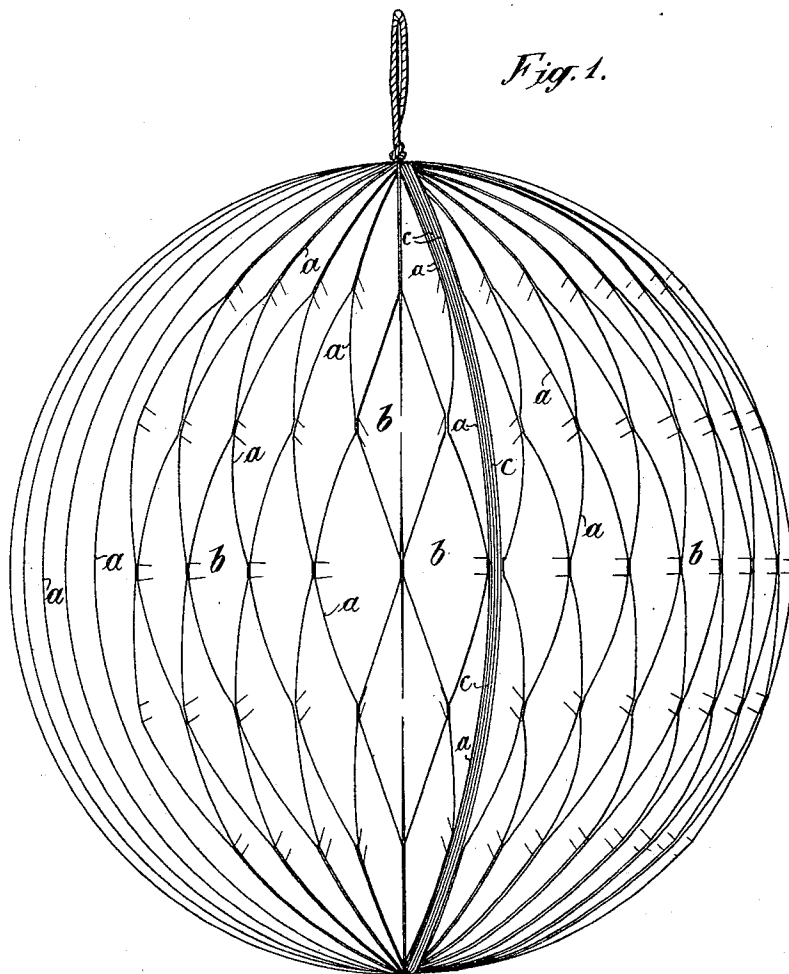


Fig. 1.

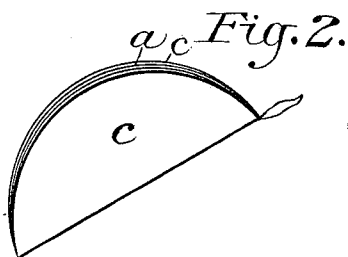


Fig. 2.

Witnesses:
Joseph Parnham
Albert Allen

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UNITED STATES PATENT OFFICE.

SIEGFRIED FRENKEL, OF HALLE-ON-THE-SAALE, GERMANY.

FLY-CATCHER.

SPECIFICATION forming part of Letters Patent No. 681,306, dated August 27, 1901.

Application filed January 31, 1900. Serial No. 3,462. (No model.)

To all whom it may concern:

Be it known that I, SIEGFRIED FRENKEL, manufacturer of fancy stationery, a subject of the German Emperor, residing at Leipziger-
5 strasse 54, Halle-on-the-Saale, in the Kingdom of Prussia, German Empire, have invented a certain new and useful Paper Ball for Keeping Flies Away from Polished Surfaces, of which the following is a specification.

10 This invention relates to scares or traps of globular shape for flies made of paper and similar material and which are commonly used to keep the flies away from polished metallic and other surfaces or points, from
15 chandeliers, decorative designs, and the like, from which they are usually kept suspended, so as to induce the fly, which is attracted by the usually bright colors of the so-called "fly-ball," to go upon the said ball and crawl into
20 its openings rather than to settle upon the bright surface and soil the same, the globular-shaped fly-balls heretofore used for this purpose being, owing to their size, not very well adapted for transportation and for long
25 storage. The devices of this kind as used heretofore present the further disadvantage of being easily disfigured by pressure, shocks, squeezing, or other external influences, which
30 to protect them during storage or transit. These inconveniences are entirely avoided in my invention, which makes it possible to fold the globular scare or trap of this kind into a flat form.

35 My invention is illustrated in the accompanying drawings in a preferred form of construction.

Figure 1 is an elevation with parts in section, showing the fly-ball half opened. Fig.
40 2 represents the fly-ball folded down ready for shipment.

The globular fly-trap is made up of a series of semicircular-shaped sheets of tissue-paper
45 a , which are so arranged that the straight edges of all the sheets coincide with the geometrical axis of the ball. The different sheets are glued together, so as to form cellular spaces b , the configuration of which is immaterial and may be of any desired shape.
50 The formation of these cellular spaces is effected by pasting the circular or rather semicircular sheets together at some points of

their peripheries, the points of adherence of each following sheet being placed nearly in the middle, between the points of adherence
55 of the foregoing sheet, so as to give a kind of bees' cells appearance to the structure thus formed; but it is obvious that I may provide other means for forming the cellular spaces. The flies being attracted by the bright colors
60 and the flower-like appearance of the fly-ball thus formed will be induced to settle upon the latter rather than upon the bright surfaces, which are thereby protected from soiling by flies. In order now to be able to fold
65 the ball down flat, the whole surface of the first and the last sheet of tissue-paper is pasted upon a circular disk c , of cardboard, strong paper, wood, or other suitable material, the said disk being so arranged as to be
70 folded in either direction, which makes it possible to either fold the disk with the different leaves of paper down flat or by bending the disk c in the opposite direction to
75 produce the globular shape. In order to keep the device in this shape, any suitable mechanical means may be provided to retain the two halves of the disk in that shape.

The ball may be manufactured from any material suitable for the purpose, and it may
80 also be oval-shaped, elliptical, conical, or polygonal without departing from the spirit of my invention.

What I claim, and desire to secure by Letters Patent of the United States, is—
85

A fly-ball for attracting flies and for keeping them away from bright or other surfaces to be protected from their exudations, comprising the combination with a folding disk,
90 of a series of sheets of tissue-paper, folded together so as to fit the folds of the pliable disk, the surfaces of the first and of the last sheet of tissue-paper being attached to the said folding disk, which may be folded together into any desired shape, the edges of
95 the sheets of tissue-paper being pasted together at alternating points, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

SIEGFRIED FRENKEL.

Witnesses:

RUDOLPH FRICKE,
EMIL ZIEGER.