C. SEVERIN.

FLY CATCHER.

APPLICATION FILED NOV. 24, 1909.

976,506.

Patented Nov. 22, 1910.

2 SHEETS—SHEET 1.

Fig. 1

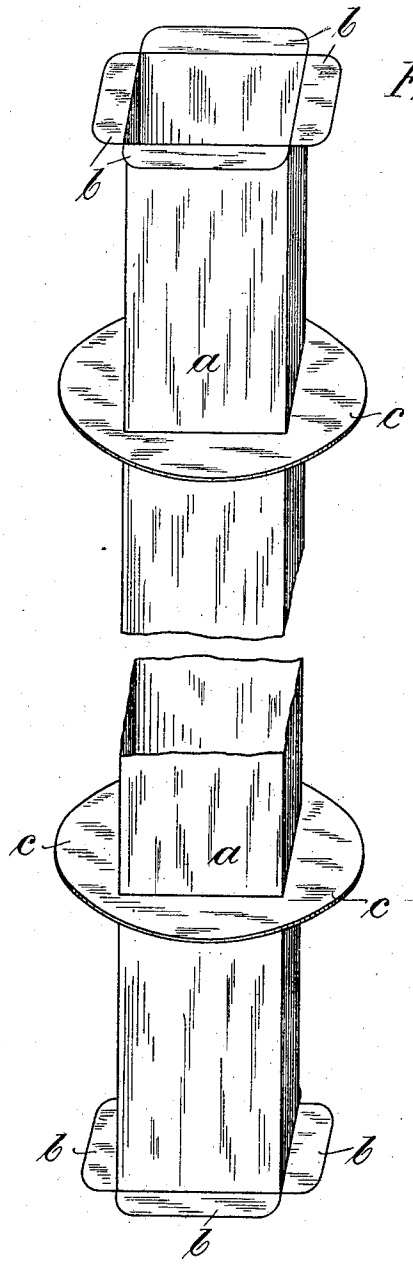
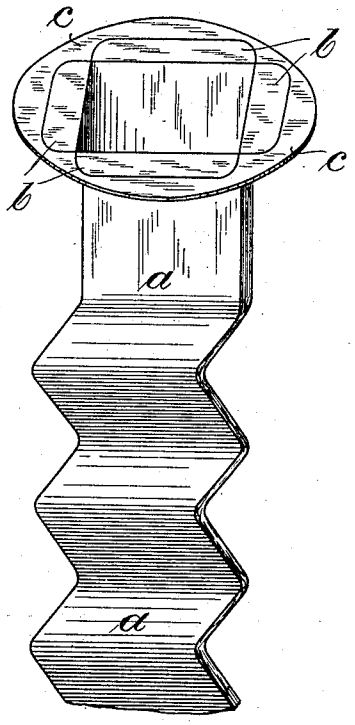


Fig. 2



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2 SHEETS—SHEET 2.

Fig. 3.

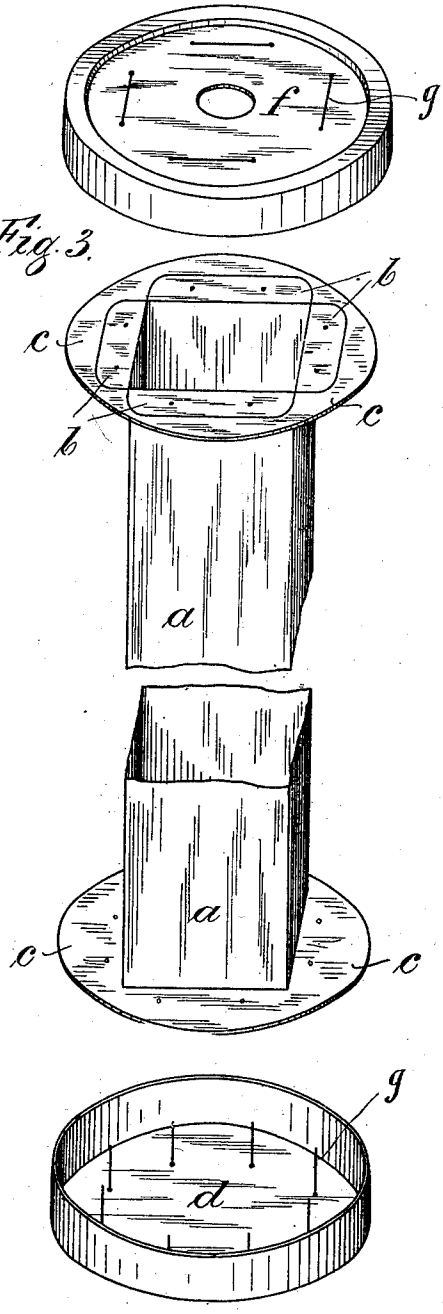
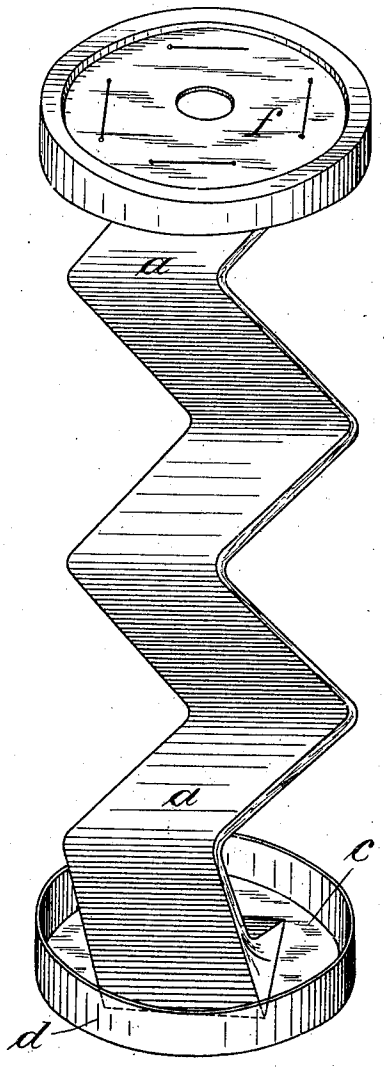


Fig. 4.



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UNITED STATES PATENT OFFICE.

CONRAD SEVERIN, OF GÖTTINGEN, GERMANY, ASSIGNOR TO NIEDERSÄCHSISCHE PAPIERINDUSTRIE G. M. B. H., OF HOLZMINDEN, GERMANY.

FLY-CATCHER.

976,506. Specification of Letters Patent. **Patented Nov. 22, 1910.**

Application filed November 24, 1909. Serial No. 529,689.

To all whom it may concern:

Be it known that I, CONRAD SEVERIN, a subject of the King of Prussia, and resident of 17 Theaterstrasse, Göttingen, German Empire, have invented certain new and useful Improvements Relating to Fly-Catchers, of which the following is a specification.

The present invention relates to a fly-catcher of the type consisting of a paper column covered with an adhesive and adapted to be collapsed into a box. In such fly-catchers the ends of the paper column are fastened to the bottom and cover part of the box, so that when the cover and bottom of the box are separated, the paper column is stretched. Such fly-catchers have the disadvantage that the paper column is very easily torn away from the bottom or cover part and it is the object of the present invention to avoid this.

According to the present invention the connection between the ends of the paper column and the bottom and cover part of the box is made by passing the ends of the paper column through a suitable opening in end plates, bending the edges of the paper column over the end plates, preferably fastening these bent over edges to the end-plate in any suitable way and securing the end plates by mechanical means such as wires, to the bottom and cover of the box so that the edges of the column are held both by compression and positively.

The invention is illustrated in the accompanying drawings in which:

Figure 1 illustrates the ends of the paper column with the end-pieces passed over, Fig. 2 shows the end-piece fixed in place and a part of the collapsible paper column, Fig. 3 illustrates the paper column before it is bound to the bottom and top respectively of the holding box. Fig. 4 illustrates the paper column and box complete with the paper column stretched.

As can be seen from Fig. 1 the paper column *a* is preferably made of prismatic cross section and has its upper ends bent over to form flaps *b*. The end plates *c* are provided with openings of the same cross section as the prismatic column and these plates are passed over the paper column as shown in Fig. 1. The flaps *b* are then preferably fastened by a suitable adhesive to the plate *c*.

It will be understood of course that the flaps *b* are bent over after the end piece *c* is passed over the paper column. The plate *c* and flaps *b* are then bound to the top and bottom parts *f* and *d* of the box by mechanical means for instance by wires *g* riveted over so as to hold the flaps between the plates and the bottom and cover of the box both positively and by compression. The entire fly catcher may then be collapsed into the box formed by the bottom and cover parts *f* and *d* and the paper column is very securely fixed to these box parts.

I claim:—

1. In a fly catcher the combination with an inclosing box, provided with a cover, of a collapsible prismatic paper column, a plate at each end of said column adapted to enter said box, each plate being provided with an opening corresponding to the normal cross section of said column, flaps integral with each wall of and at each end of said column, each flap being bent over upon the outer face of the corresponding plate, and means for firmly securing said flaps between the bottom and cover of said box and the corresponding end plate.

2. A hanging fly-catcher comprising a collapsible prismatic chamber open at both ends, horizontal extensions of the side walls of said chamber at both ends thereof, a cover plate for each end of said chamber, a plate for reinforcing each of said extensions and means for securing said extensions between said cover plates and said reinforcing plates.

3. A hanging fly-catcher comprising a collapsible prismatic chamber coated with adhesive glutinous substance and open at both ends, horizontal extensions of the side walls of said chamber at both ends thereof, an upper and a lower cover plate for the ends of said chamber, the upper cover plate being provided with an inlet to said chamber, a

plate for reinforcing each of said extensions, means for securing the faces of said extensions which are, longitudinally with respect to said chamber, opposite to each other to said reinforcing plates and means for securing said reinforcing plates to the respective cover plates.

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

CONRAD SEVERIN.

Witnesses:
LOUISE RATHOR,
J. M. BOWCOCK.