

April 18, 1939.

J. A. BLAIR  
FLYPAPER HOLDER  
Filed Jan. 21, 1938

2,154,431

2 Sheets-Sheet 1

*Fig. 1.*

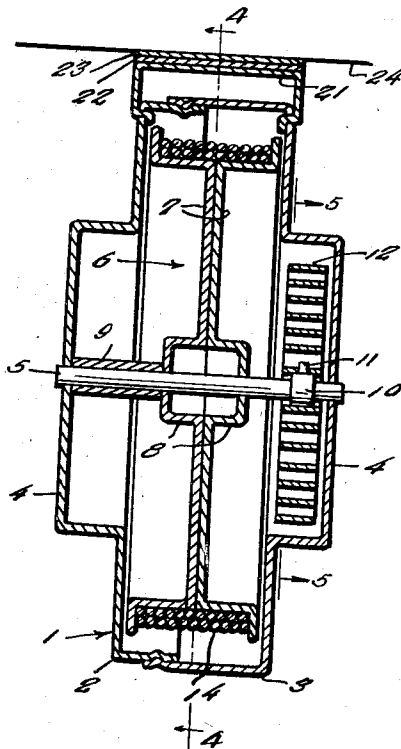


*Fig. 2.*

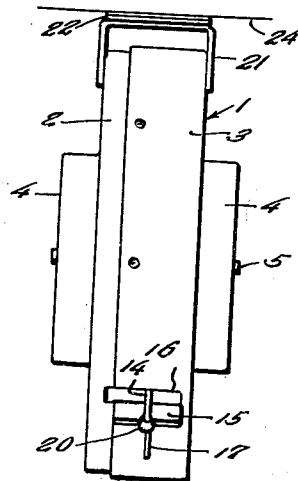
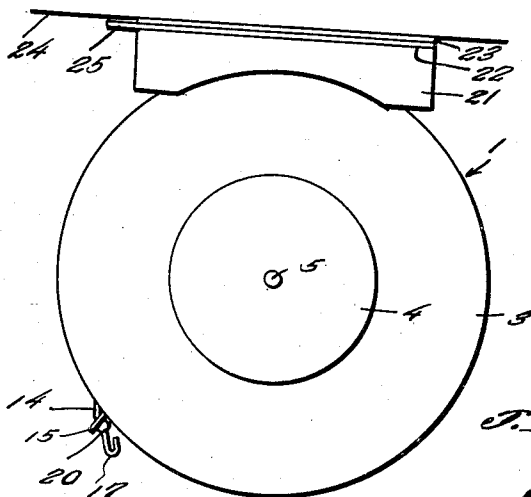


*Fig. 3.*

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*Fig. 4.*

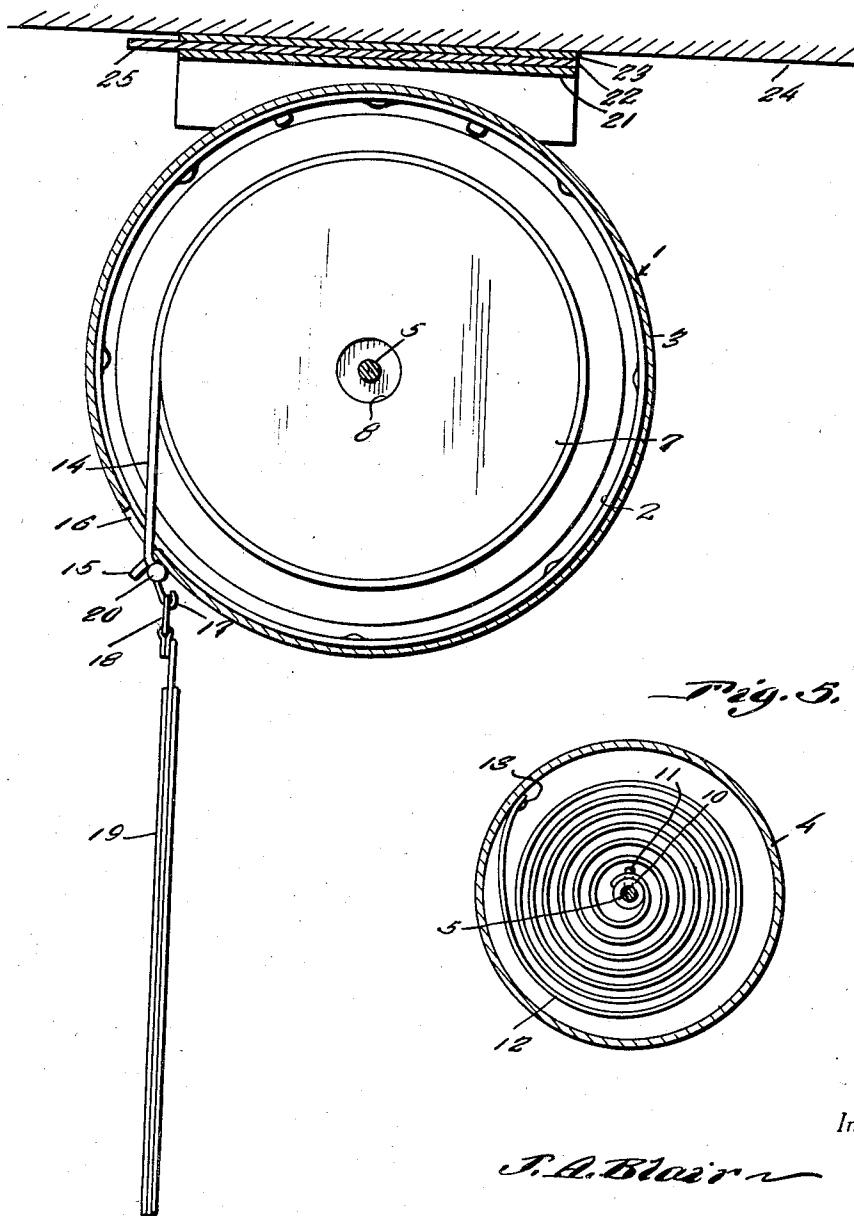
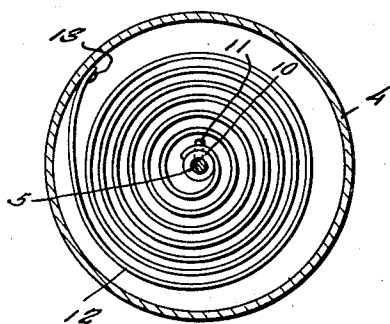


*Fig. 5.*



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## UNITED STATES PATENT OFFICE

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## FLYPAPER HOLDER

James A. Blair, Taneytown, Md.

Application January 21, 1938, Serial No. 186,209

## 1 Claim. (Cl. 242-107)

The present invention relates to new and useful improvements in fly paper holders and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character embodying a novel construction, combination and arrangement of parts whereby strips or ribbons of fly paper may be conveniently suspended from a ceiling or similar support and changed when desired.

Other objects of the invention are to provide a fly paper holder of the aforementioned character which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact, attractive in appearance and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a view in vertical section through an embodiment of the invention.

Figure 2 is a view in front elevation thereof.

Figure 3 is a side elevational view.

Figure 4 is a view in vertical section through the invention, taken substantially on the line 4-4 of Fig. 1.

Figure 5 is a vertical sectional view, taken substantially on the line 5-5 of Fig. 1.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a substantially circular casing of suitable metal which is designated generally by the reference numeral 1. As shown to advantage in Fig. 1 of the drawings, the casing 1 includes connected complementary sections 2 and 3. Formed integrally with the sections 2 and 3 of the casing 1 are centrally located circular extensions 4 providing lateral chambers in said casing.

Journalled centrally in the casing 1 is a transverse shaft 5. Mounted on the shaft 5 for rotation therewith in the casing 1 is a reel of suitable material, preferably metal, which is designated generally by the reference numeral 6. As also shown to advantage in Fig. 1 of the drawings, the reel 6 comprises substantially duplicate abutting half sections 7 having hub portions 8 fixed on the shaft 5. A spacing sleeve 9 is mounted on one end portion of the shaft 5 between the reel 6 and one side of the casing 1. Fixed on the other end portion of the shaft 5 is a collar 10 from which a pin 11 or the like

projects. Encircling this end portion of the shaft 5 in the chamber provided by the respective extension 4 is a clock spring 12 having a slot in its inner end portion in which the pin 11 is engaged. The outer end of the spring 12 is secured to the peripheral wall of the adjacent circular extension 4, as at 13 (see Fig. 5). It will thus be seen that the spring 12 is connected to the shaft 5 in a manner to be wound thereby when said shaft rotates in one direction.

The reference numeral 14 designates a suspension cord or the like for the fly paper having one end secured to the reel 6 for winding thereon. Struck from the lower portion of the periphery of the casing 1 is a notched guide 15 providing an opening 16 through which the cord 14 passes. On its free end, the cord 14 is provided with a hook 17 engageable in the usual ring or loop 18 on one end of the strip or ribbon of fly paper 19. Immediately adjacent the hook 17, the cord 14 is provided with a knot or enlargement 20 engageable beneath the guide 15 in a manner to function as a stop. This is shown to advantage in Fig. 4 of the drawings.

Rigidly secured to the upper portion of the casing 1 is a metallic hanger 21 of substantially U-shaped cross section. Mounted on top of the hanger 21 is a strip 22 of suitable flexible material provided with an adhesive 23 for mounting the device on the ceiling 24. One end portion of the strip 22 is free of the adhesive 23 and projects beyond the hanger 21 in a manner to provide a tab or the like 25 to facilitate removing the device from the ceiling when desired.

It is thought that the operation of the invention will be readily apparent from a consideration of the foregoing. To mount a strip or ribbon of fly paper on the device, the free end of the cord 14 is pulled downwardly, thus unwinding said cord from the reel 6 and winding the spring 12. At an intermediate point, the cord 14 is provided with a knot or enlargement (not shown) which is engageable beneath the notched or forked guide 15 for taking the pull or strain of the spring 12. This facilitates engaging the hook 17 in the ring or loop 18 of the fly paper 19. When this has been done the cord 14 is released from the notched guide 15 and the spring 12 is permitted to actuate the reel 6 in a direction to wind said cord 14 thereon until arrested by the stop 20. It will thus be seen that the strip or ribbon of fly paper 19 has been suspended from the ceiling in a convenient and generally satisfactory manner.

It is believed that the many advantages of a

fly paper holder constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

10 What is claimed is:

A fly paper holder of the class described comprising a metallic casing including a pair of complementary connected sections, said sections comprising centrally located, circular lateral extensions providing annular chambers, a shaft journaled transversely in the casing, a reel fixed

on said shaft, a cord having one end secured to the reel for winding thereon, means on the other end of the cord for attaching a ribbon of fly paper thereto, a spacing sleeve on one end portion of the shaft between the reel and one side of the casing, a collar fixed on the other end portion of the shaft, a pin projecting from said collar, a clock spring encircling the collar and having its outer end secured to the peripheral wall of one of the chambers, the pin extending through the inner end portion of said spring for connecting the spring to the shaft, said spring constituting means for actuating the reel in one direction for winding the cord thereon, and means for attaching the casing to a support.

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