No. 610,107. Patented Aug. 30, 1898.

# W. THUM.

## PACKAGE OF STICKY FLY PAPER.

(Application filed Mar. 21, 1898.)

(No Model.)

Fig. 1.

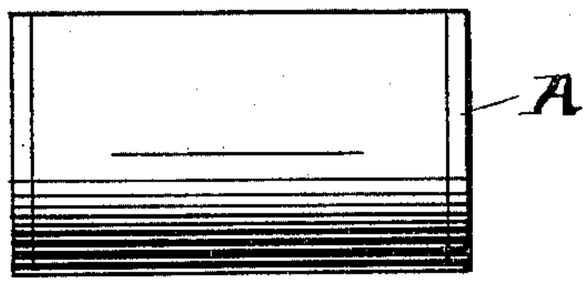



Fig 2

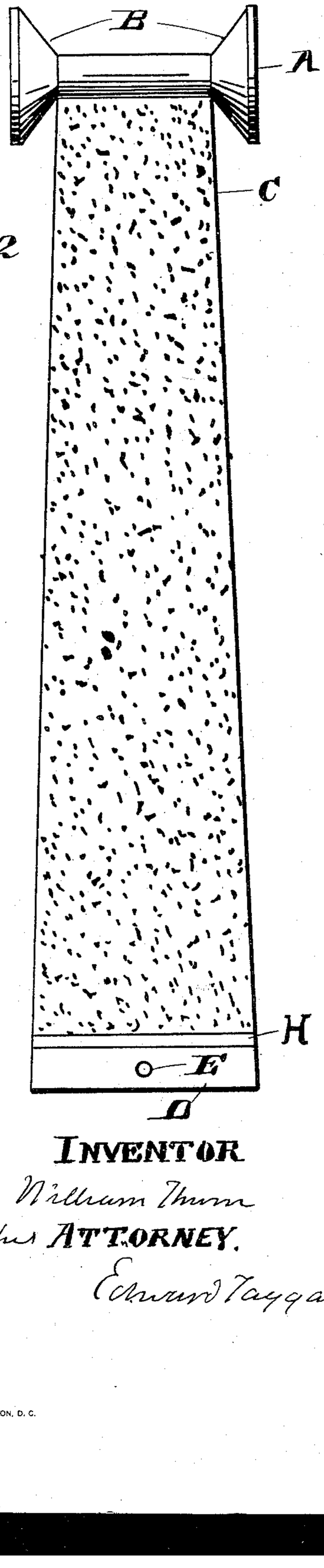
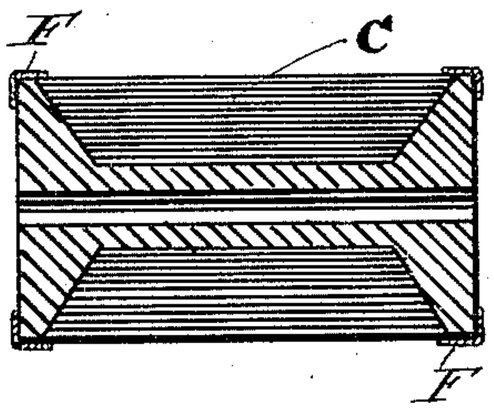



Fig 3




WITNESSES

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# UNITED STATES PATENT OFFICE.

WILLIAM THUM, OF GRAND RAPIDS, MICHIGAN.

## PACKAGE OF STICKY FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 610,107, dated August 30, 1898.

Application filed March 21, 1898. Serial No. 674,667. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM THUM, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented new and useful Improvements in Packages of Sticky Fly-Paper, of which the following is a specification.

This invention relates to certain new and useful improvements in packages of sticky fly-paper; and the same consists in an improvement upon application filed by me July 19, 1897, Serial No. 645,106; and the invention consists in combining with the spool, having flaring ends, a strip or web suitably coated with the fly-catching material and gradually increasing in size from the point where it is attached to the spool to its free end, so that when the web is wound upon the spool it will fill up the entire space between the ends and the edges of the paper will come in contact with the inner or adjacent faces of the outwardly-flaring spool.

The objects of this invention are, first, to provide a package which can be conveniently made and which can be unwound very readily and at the same time one which can be readily sealed when the paper is wound upon the spool, and, second, to facilitate the unwinding of the web from the spool or holder. These objects I accomplish by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 shows the package complete—that is, the spool with the web wound thereon and sealed ready for shipment or storage. Fig. 2 shows the spool or holder with the web unwound or substantially unwound therefrom. Fig. 3 shows a longitudinal sectional view through the center of Fig. 1.

Similar letters refer to similar parts throughout the several views.

A represents the spool, which may be constructed of wood or any other suitable material and may or may not be provided with a hole extending lengthwise through the center of the spool.

B shows the flaring inner surfaces of the spool.

C shows the web.

D shows the free end or wider end of the web. The web is prepared for the reception of the sticky material and the sticky material applied before the same is wound upon the spool. The end which is attached to the spool has the same width as the length of the spool-body between the flaring ends. The other end of the web, which is shown by D, has a width corresponding to the length between the flaring ends of the spool at their outer edges. The web is increased in size as it extends outwardly, so that when wound upon the spool-body it will exactly fill up the entire space between the flaring ends of the spool, as shown in Figs. 1 and 3, the edges of the web coming in contact with the ends of the spool.

I have found by practical experience that a package of fly-paper constructed as described will unwind more readily than one wound upon a spool having parallel adjacent faces at right angles to the spool-body, and inasmuch as these edges of the web are wound in contact with the flaring edges a superior sealing-surface is provided, and the paper so wound can be sealed so as to prevent the escape of the sticky material from the prepared package. If desired, a small portion of the free end of the paper or web may be left without the sticky material, or a line of sealing material having greater consistency, as H, may be used.

E shows a hole through the free end of the web, which may be used for the purpose of suspending the web and spool.

When the package is prepared, as above described, with the web wound upon the spool, the same is sealed at the point of contact between the edges of the web and the flaring surfaces of the spool by two rings of suitable material, as at F, Fig. 3, or the same may be sealed by dipping the entire package into some sealing compound.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

1. In a package of fly-catching material, the combination with a spool having adjacent flaring surfaces, a web narrowest at the point where it is attached to the spool and widest at the free end thereof, or the part farthest

from the spool, adapted to be wound upon the spool so as to entirely fill up the space between the adjacent faces of the ends of the spool, substantially as described.

2. In combination with a spool having adjacent surfaces flaring, a web widening from the point where it is attached to the spool to its outer end and adapted to roll upon the spool so as to fill the entire space between the flaring ends of the spool, and provided, when rolled into a package, with a suitable sealing material, substantially as described.

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

WILLIAM THUM.

Witnesses:
EDWARD TAGGART,
CHRISTOPHER HONDELINK.