

(No Model.)

W. THUM.
STICKY FLY PAPER.

No. 601,184.

Patented Mar. 22, 1898.

Fig 2.

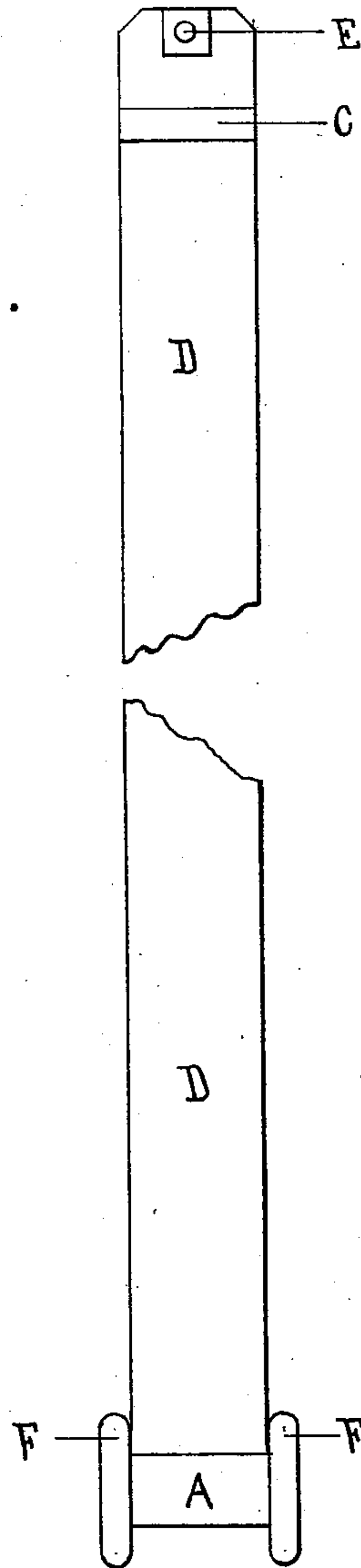
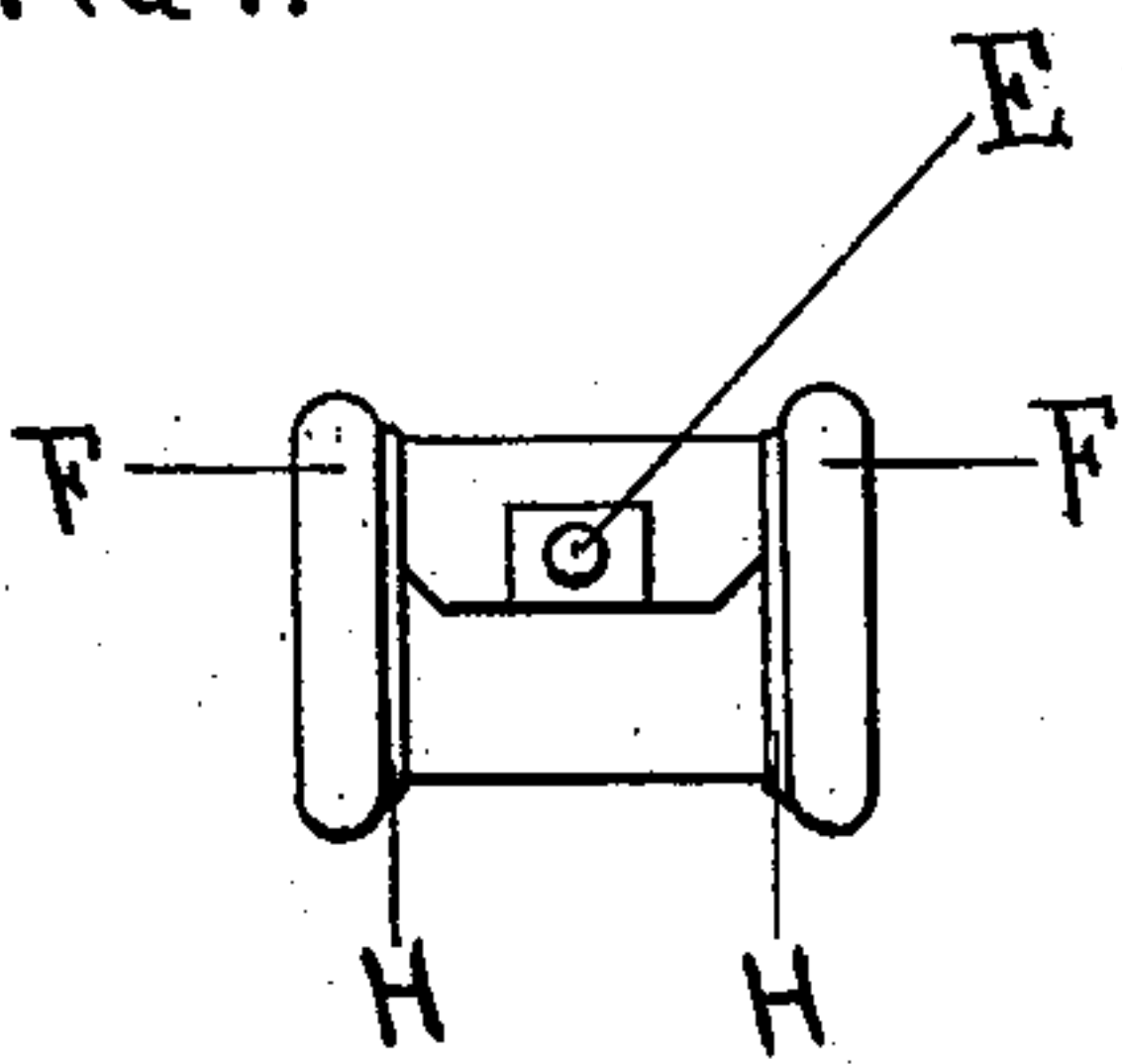


Fig 1.



WITNESSES:

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WILLIAM THUM, OF GRAND RAPIDS, MICHIGAN.

STICKY FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 601,184, dated March 22, 1898.

Application filed July 19, 1897. Serial No. 645,106. (No model.)

To all whom it may concern:

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

This invention relates to certain new and useful improvements in sticky fly-paper; and the invention consists in the new and novel method of preparing the package of web containing the sticky compound for shipment, also in the construction of the package so that it may be readily and quickly adapted for use; and the objects of my invention are, first, to prepare the package of the web covered with the fly-catching compound in such a manner that the entire width of the web may be covered with the compound and still prevent the same from escaping from the package; second, to utilize a pair of disks in connection with the core sustaining said disks both for the purpose of forming a holder for the web and also utilizing the adjacent faces of the disks for the prevention of the over or outward flow of the compound which is spread on the surface of the paper strips or web, and, third, to utilize the spool composed of the two disks and core as a means for preventing the paper strip or web from coming in contact with adjacent objects when the web is unwound for use. These objects I accomplish by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 shows an elevation of my device with the fly-catching strip or web wound upon the core between the retaining-disks and sealed, so as to prevent the sticky compound from escaping; and Fig. 2 shows an elevation with the strip or web unwound ready for use.

Similar letters refer to similar parts throughout both views.

In the drawings, A represents the core upon which the web is wound. This core may be constructed of wood, metal, or any other suitable material.

F F represent the retaining-disks, which serve also for the purpose of sealing the ends of the web when wound upon the core. These disks may be made of wood, metal, or any other suitable material, and the core and disks may be made integral with each other,

if desired. The adjacent faces of the disks should be perpendicular or substantially perpendicular to the core and should be placed such a distance apart as to allow the web to be wound between them, there being substantially no space whatever between the ends of the roll of web and the adjacent disk, the ends of the roll of web abutting closely against the inner surface of the disks, thereby utilizing the disks for the purpose of sealing or preventing the sticky material from flowing outwardly from the web at the ends of the roll.

D represents that part of the web which is covered with the sticky compound.

C represents a transverse strip of sealing compound which prevents the fly-catching material from flowing from the end of the paper strip or web. An opening E, provided with a strengthening-piece, may be used for convenience in hanging up the unwound strip to which the disks are attached. When the web covered with the fly-catching compound has been wound upon the core A, as shown in Fig. 1, I use two circles of wax of suitable consistency, (shown by H H.) Each circle of wax is drawn around the periphery at the extreme end of the wound-up roll and is brought in contact also with the inner surface of the disks, thereby, with the sealing C and the disks F F, completely sealing the prepared package, so that when so sealed the sticky compound cannot escape therefrom. The sealing material H H, however, is of such consistency that the paper strip may be readily unrolled. The sealing-circles H H merely serve to seal the outer layers of the roll, the inner part being sealed by means of the disks, as above described. The package when completed may be dipped into any waterproof material, if found desirable, which will not interfere with the ready unwinding of the web, in order to protect the package and its contents from moisture.

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

1. In combination with a core, of a pair of disks one at either end of the core, a web covered with fly-catching compound wound upon said core and forming a roll having its ends in contact with the adjacent faces of said

disks, each disk furnishing a seal for the ends of the said roll, and a suitable seal applied to the outer layer of said roll so as to seal said outer layer at the points of contact with the disks, substantially as described.

2. In combination with a pair of disks, a core at substantially right angles to the inner surface of the said disks, a web provided with a sticky compound wound upon said core and forming a roll having its ends in contact with the adjacent faces of the disks, a suitable sealing-strip C, transversely across the paper strip, and a suitable sealing at the points of intersection of the outer layer of the web with the disks, substantially as described.

3. In combination with a core A, a pair of sealing-disks having their adjacent faces at right angles to the said core, a web covered with fly-catching compound wound upon said core forming a roll having its ends in contact with the adjacent surfaces of said disks, which disks furnish a sealing for the ends of said roll, a transverse sealing-strip C, two rings of sealing material H H, and a hole or opening

E in a strengthening-piece applied to the end of the paper for the purpose of sustaining the same when the paper is unrolled, substantially as described.

4. In combination with a core, of two sealing-disks having their adjacent faces arranged at right angles to said core, a web or strip covered with a sticky fly-catching compound, wound upon and forming a roll upon said core, the ends of said roll being in contact with the adjacent faces of the disks, and two sealing-rings H, H, composed of plastic material for preventing the sticky compound from escaping from the web or roll, said sealing-rings being of such a consistency as to allow the web or strip to be readily unrolled without removing said rings from the roll, substantially as described.

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

WILLIAM TIUM. [L. S.]

Witnesses:

C. EUGENE GILMAN,
CHRISTOPHER HONDELINK.