

(No Model.)

O. THUM.
CLAMP FOR STICKY FLY PAPER.

No. 407,706.

Patented July 23, 1889.

Fig. 1.

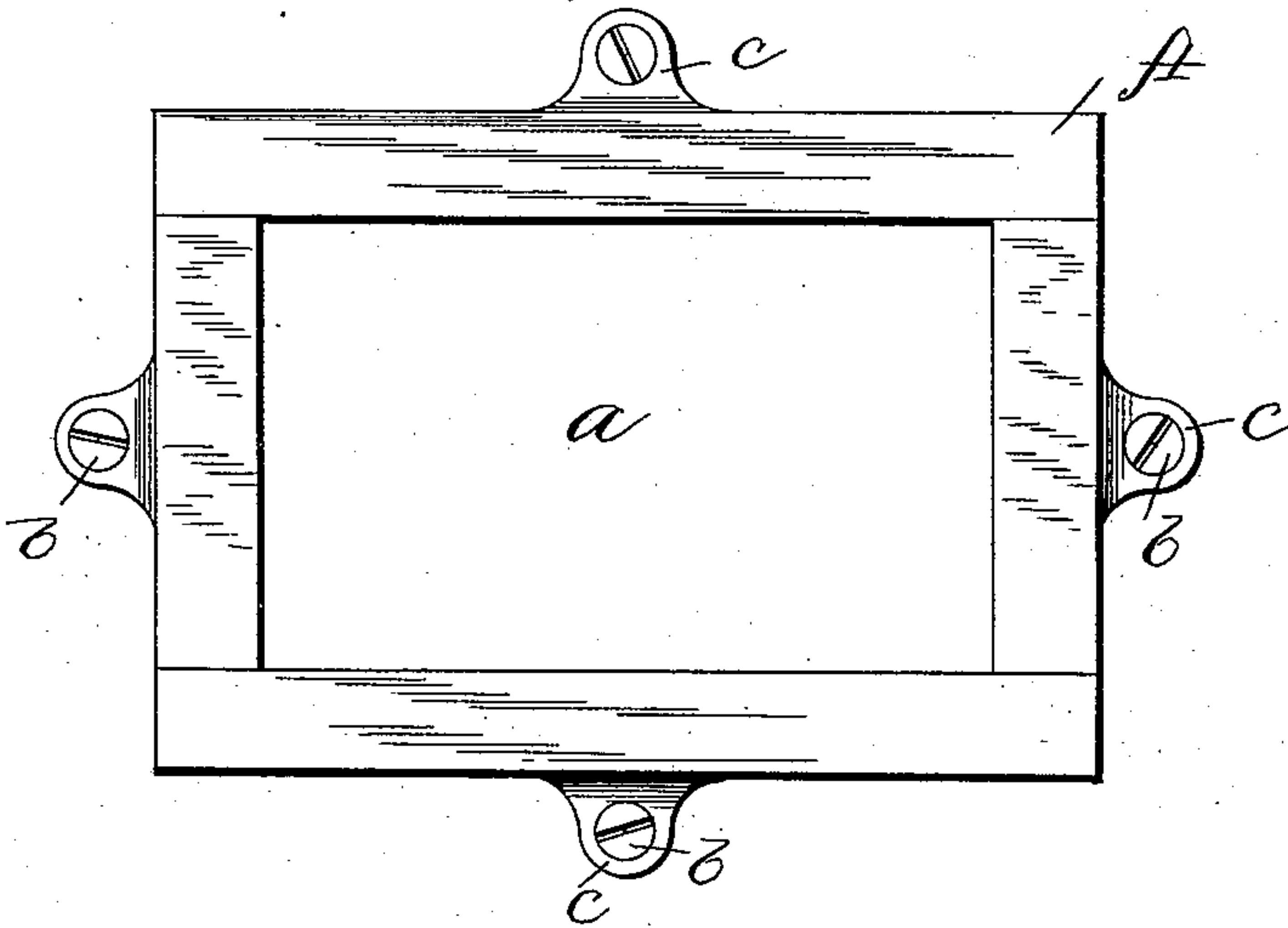


Fig. 2.

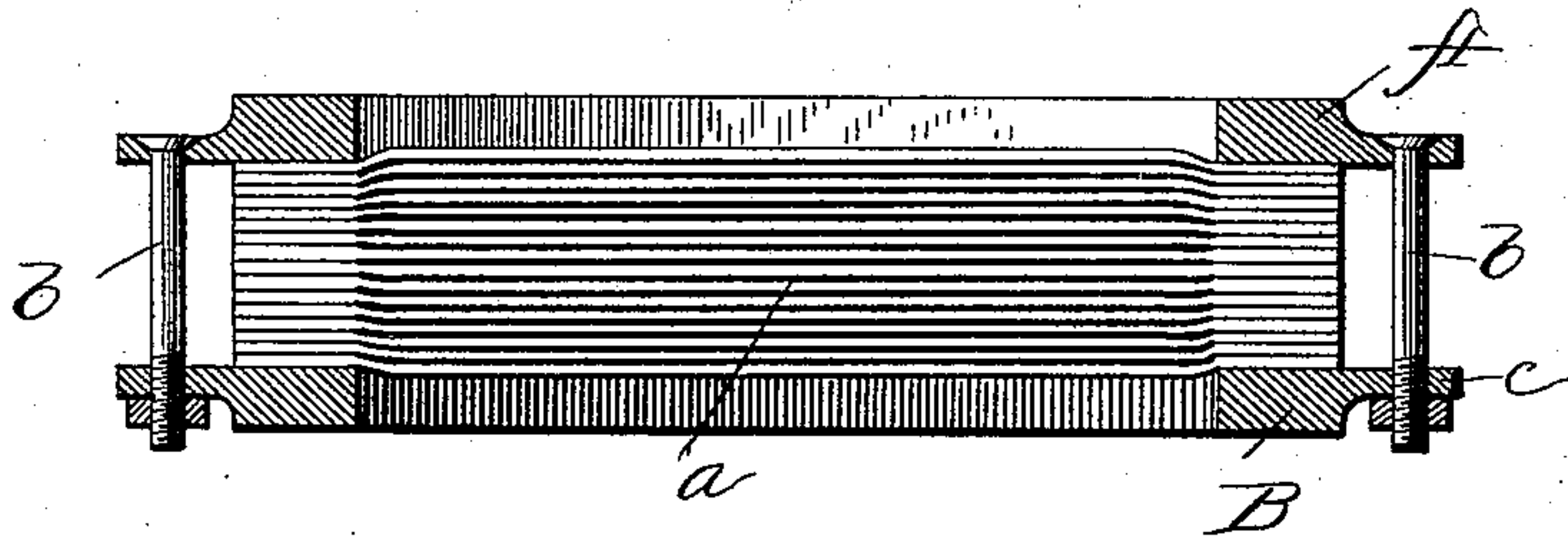
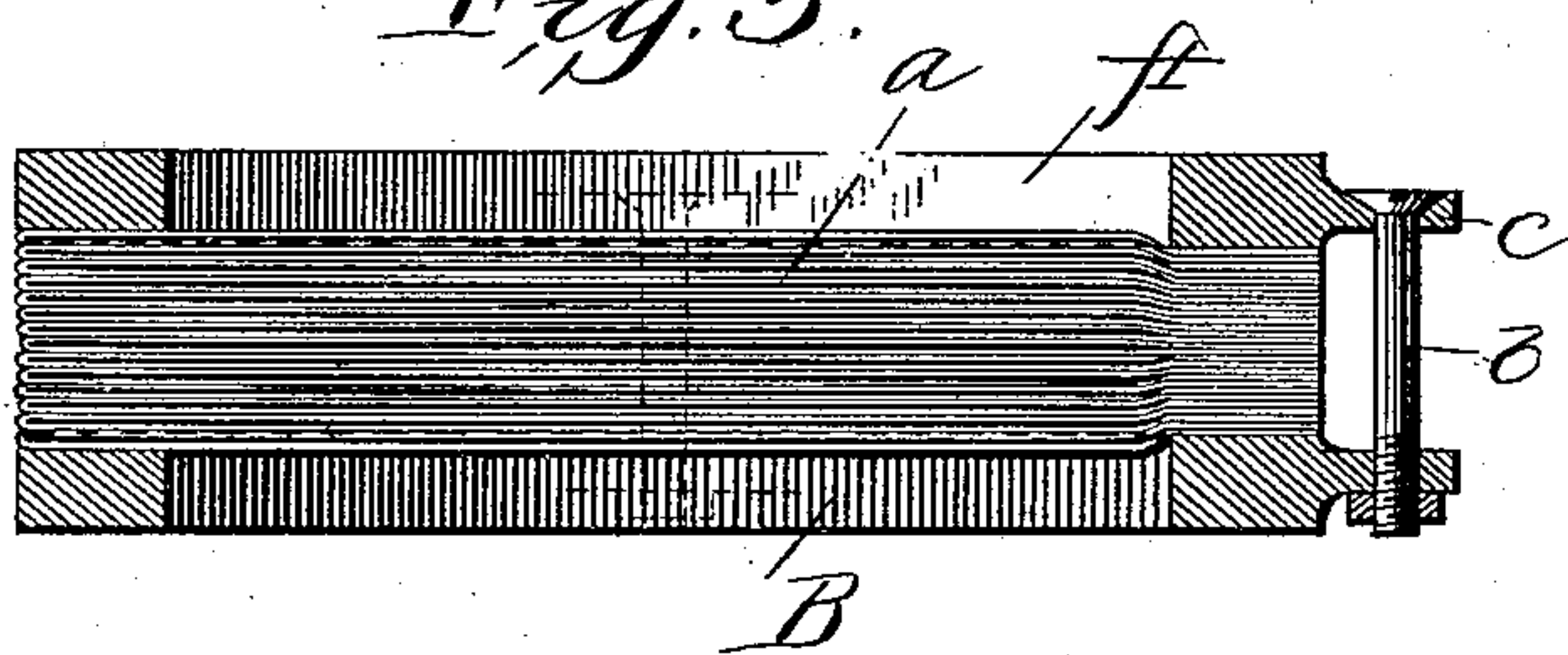


Fig. 3.



Witnesses

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CLAMP FOR STICKY FLY-PAPER.

SPECIFICATION forming part of Letters Patent No. 407,706, dated July 23, 1889.

Application filed April 25, 1889. Serial No. 308,513. (No model.)

To all whom it may concern:

Be it known that I, OTTO THUM, of Grand Rapids, in the county of Kent and State of Michigan, have invented a new and useful
5 Improvement in Holding-Clamps for Sticky Fly-Paper; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to the packing of fly-
10 paper; and my object is to provide a clamping device for holding the sheets securely, whether for transportation or storage, said device being adapted to prevent the running and the spreading of the adhesive coating of
15 the paper. As is well known, ordinarily this spreading of the mixture takes place in summer from the combined effects of heat and the pressure of a number of sheets packed together in the usual manner. The sticky
20 material flows over the margin, and it exudes between the sheets, covering the edges and making them unpleasant to handle, and many of them from that cause practically unfit for use and entirely unsalable.

25 My invention consists, broadly, of a device in the form of a clamp which has bearing-surfaces suitably arranged to compress the sheets at points and in lines surrounding the portions of said sheets which are covered with
30 the sticky mixture, so that the said mixture will be confined in proper place and prevented from spreading therefrom between the sheets and around the edges thereof.

In the accompanying drawings, Figure 1 is
35 a plan view of the clamping device, and Fig. 2 a section thereof. Fig. 3 is a section of a modification.

In the drawings the sheets of sticky fly-paper are represented at *a* as having the sticky
40 material extending over their central portions, leaving their margins free and uncovered. The clamp consists of an upper frame A and a lower frame B, which in the present case are represented as being open at their central
45 portions, so that only the margins of the sheets outside and around the sticky material is pressed upon. The clamp is completed by the screw-bolt *b b*, extending through ears *c c* on the upper and lower frames, and nuts
50 which engage with the threaded projecting ends of said bolts. By turning the nuts the

frames are drawn toward each other, and the uncovered portions (in the present instance the margins) of the paper are compressed and the sticky material closely confined in proper
55 place. It will be understood that the frames, instead of being formed open, may consist simply of plates having bearing-ribs in proper position to press upon the sheets of paper at the proper point, and while I prefer to employ
60 bearing ribs or surfaces on both the upper and lower frames, I do not wish to limit myself in this respect. This device may be used with sheets of fly-paper which are adapted to be folded, as shown in Fig. 3, so that the
65 sticky material on the two parts will be brought together or with separate sheets placed face to face.

Instead of the bolts and nuts for holding the clamp, a common screw may be used, or the
70 two parts may be compressed together in any suitable way, as by a press, and then bound together by nailed strips connecting the upper and lower frames.

I am aware that it is not new to hold paper
75 securely between clamping-surfaces extending over the whole surface of the paper above and below, and I do not so broadly claim as to include such a clamp, the object of my invention being very different—namely, to hold
80 the uncoated margins of the fly-paper, so as to prevent the material with which the central portions are coated from flowing out during transportation.

I claim as my invention—

85 In combination, the sticky fly-paper having uncoated edges and central portions covered by the sticky material, the clamping-frames upon each of its sides, one of said frames having bearings pressing upon the paper about
90 its uncoated edges only, whereby the said edges will be compressed and the sticky material confined to the central portions not subjected to pressure, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OTTO THUM.

Witnesses:

WILLIAM THUM,
FREDERICK LOETTERT.