

No. 855,322.

PATENTED MAY 28, 1907.

J. MACCALLUM.

FLEXIBLE BACK FOR PAPER PADS AND BOOKS.

APPLICATION FILED JAN. 18, 1907.

FIG. 1.

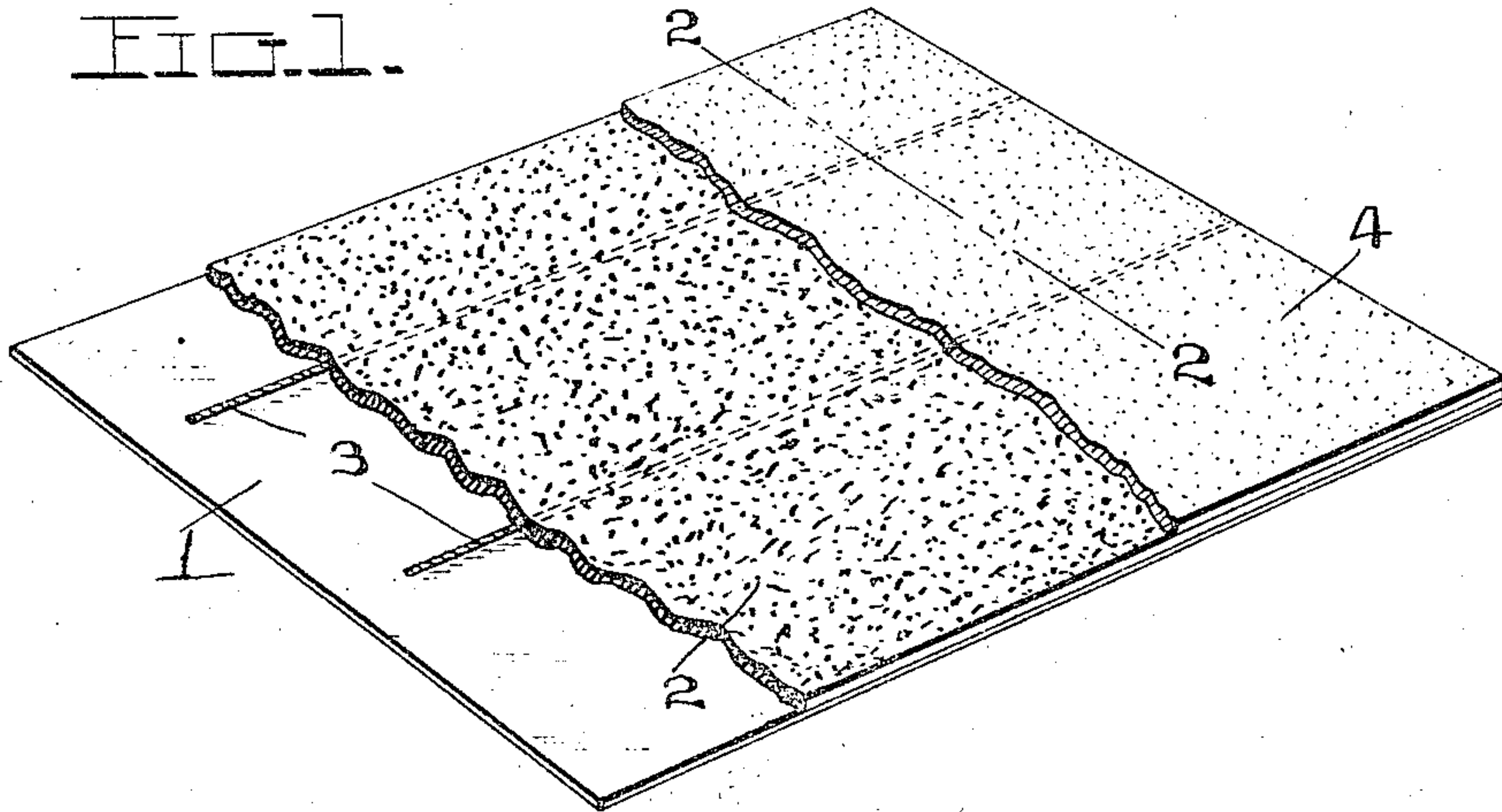


FIG. 2.

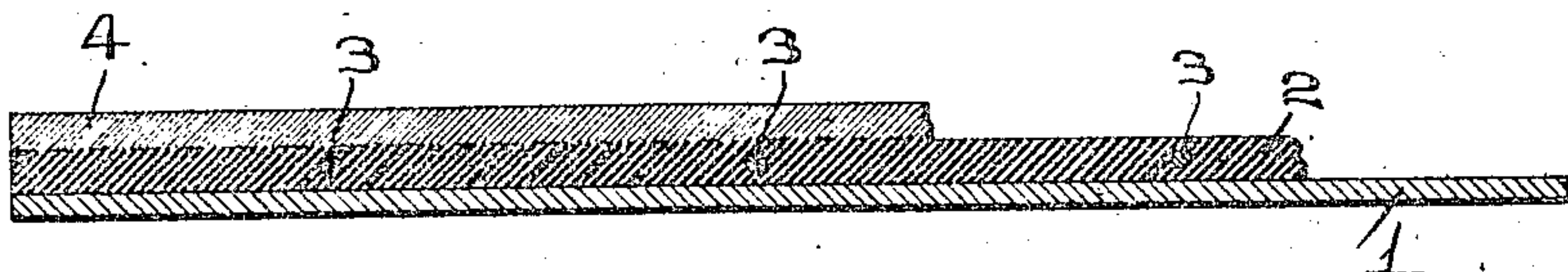


FIG. 3.

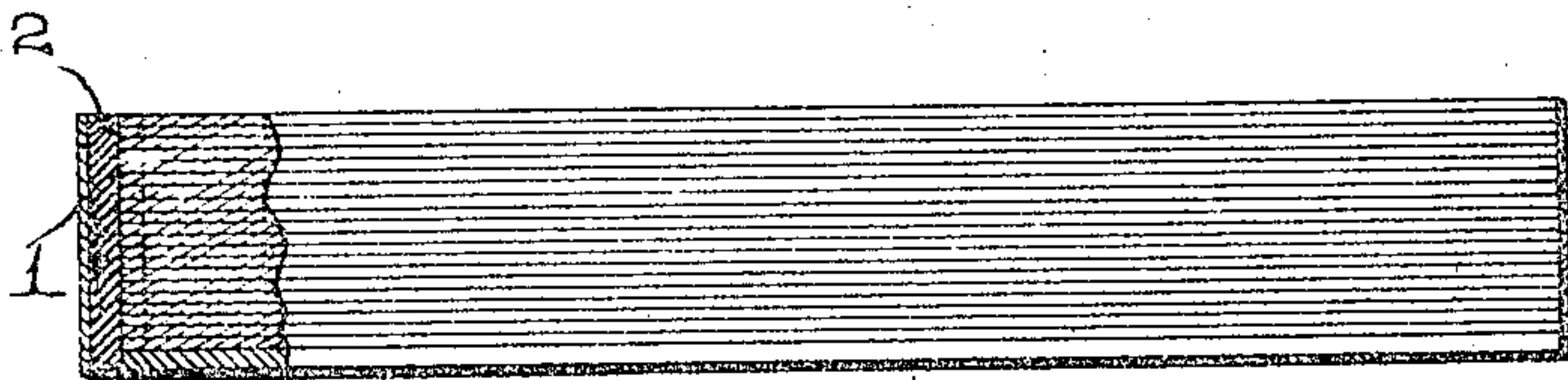
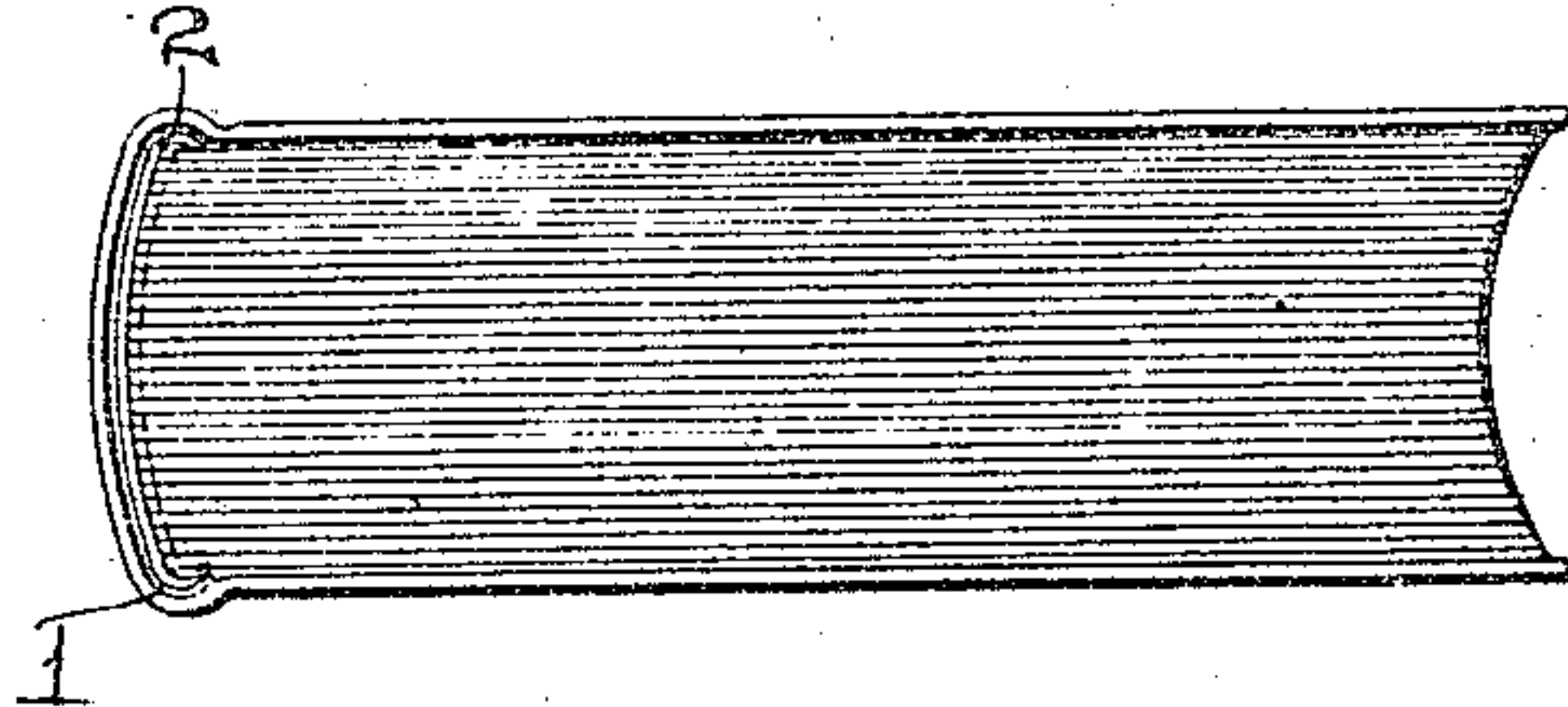


FIG. 4.



ATTEST.

H. G. Fletcher.

W. O. Smith.

INVENTOR.

JAMES MACCALLUM.

BY *Nigelou Longan*
ATTY'S

UNITED STATES PATENT OFFICE.

JAMES MACCALLUM, OF ST. LOUIS, MISSOURI.

FLEXIBLE BACK FOR PAPER PADS AND BOOKS.

No. 855,322.

Specification of Letters Patent.

Patented May 28, 1907.

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To all whom it may concern:

Be it known that I, JAMES MACCALLUM, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Flexible Backs for Paper Pads and Books, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a flexible back for paper pads and books, and the object of my invention is to provide means whereby pads of paper, or paper arranged in block form, and books are provided with flexible backs, which, where the paper is in the form of a pad, provides a temporary binding and which readily permits the leaves of the pad to be separated at any particular point to remove one or more leaves without breaking the back of the pad.

To the above purposes, my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view of a section of the backing, as prepared for use, and parts thereof being broken away to more clearly illustrate the same; Fig. 2 is an enlarged transverse section taken on the line 2—2 of Fig. 1; Fig. 3 is an end view of a pad or block of paper, one edge of which is provided with my improved back, and which edge is shown in section; Fig. 4 is an elevation of a book, the leaves of which are connected with my improved back.

Referring by numerals to the accompanying drawings:—1 designates a sheet of tough, flexible material, preferably paper, and located on one side thereof is a coating 2, of glue, or analogous adhesive material, which is of such consistency as that it is elastic and flexible in order that it may readily yield with any movement of the sheet 1. Embedded in this coating of flexible, adhesive material, and extending the entire length of the sheet are threads 3, which act as binders for the body of said flexible adhesive material. Located on the top surface of the body of material 2 is a thin coating of glue, paste, or analogous material 4, which is readily

soluble in water, and which will quickly dry when applied to the edges of sheets of paper.

My improved back is preferably made up for use in large sheets to be used by book binders, printers, and like persons engaged in the manufacture of books, and blocks or pads of paper, and when it is desired to block up a number of sheets of paper to form a block or pad, a section of proper width is cut from the original sheet, which cut is made at right angles to the binder threads 3, and the surface or body of glue or paste 4 is now moistened or dipped in water, and the section is immediately thereafter applied to the edges of the pad of paper, or the leaves forming the book.

Proper pressure is applied to the back to set the same, and, after the glue or paste 4 has become dried, the pad of paper is ready for use, or in the case of a book, the leaves thereof are ready for further binding.

The body of glue or paste 4 readily binds the sheets of paper together, and the body of flexible glue, or analogous material 2, and the sheet 1 form a very efficient and flexible binding.

I claim:—

1. As a new article of manufacture, a binder for blocks of paper, comprising a sheet of flexible material, a coat of adhesive material on one side of the sheet, and binding threads embedded in said adhesive material.

2. As a new article of manufacture, a flexible back for books or blocks of paper, comprising a sheet of flexible material, a coating of flexible adhesive material on one side of the sheet, a coating of adhesive material on the coating of the flexible adhesive material, and binding threads embedded in the coating of flexible adhesive material.

3. A binder for blocks of paper, comprising a sheet of flexible material, a coat of elastic flexible adhesive substance on one side of the sheet, and binding threads embedded in said coating.

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

JAMES MACCALLUM.

Witnesses:

M. P. SMITH,
E. L. WALLACE.