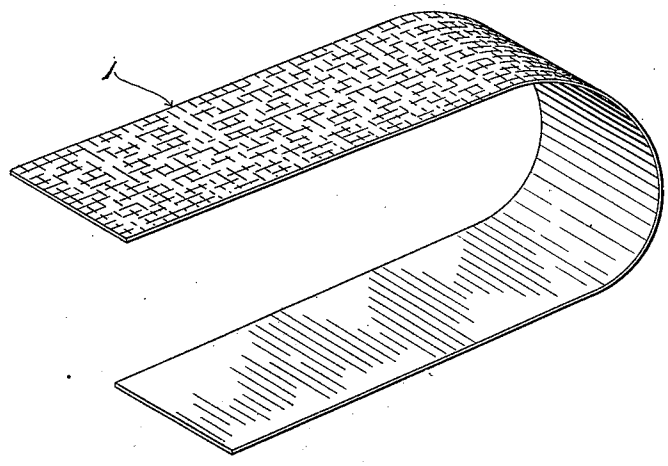
No. 643,594. Patented Feb. 13, 1900.

C. H. CROWELL.

GUMMED CLOTH FOR BOOKBINDING.

(Application filed Aug. 10, 1899.)

(No Model.)



Witnesses:
Oscar F. Hill
Walter B. Russell.

Inventor:
Chas. H. Crowell
by Macleod Calver & Ramsdell
his Attorneys.

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UNITED STATES PATENT OFFICE.

CHARLES H. CROWELL, OF LYNN, MASSACHUSETTS.

GUMMED CLOTH FOR BOOKBINDING.

SPECIFICATION forming part of Letters Patent No. 643,594, dated February 13, 1900.

Application filed August 10, 1899. Serial No. 726,735. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES H. CROWELL, a citizen of the United States, residing at Lynn, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Gummed Cloth, of which the following is a specification, reference being had therein to the accompanying drawing.

The aim of the invention is to supply a need in connection with the binding of memorandum-tablets and the like. In effecting the binding of tablets strips of paper and other materials are employed which are treated with an adhesive and then stuck upon the edges of the sheets of paper which are to be united to form the tablets. Sometimes strips of open-mesh cloth are employed; but in this case in order to fit the cloth for this use its meshes or openings are closed with a "filling" before the glue or other adhesive is employed. The use of filling is objectionable on account of rendering the cloth stiff and inflexible and also of rendering it objectionably absorbent. A cloth of close texture is too expensive and, moreover, is not altogether suitable.

The present invention consists of an open-meshed or loosely-textured cloth having one surface thereof coated with glue in the manner hereinafter more fully set forth and adapted to be used for binding-strips and the like purposes.

The accompanying drawing is intended to indicate fairly the general character or appearance of a gummed cloth embodying the invention.

In making the improved material I take an open-meshed or loosely-textured woven fabric 1—for example, such as light cambric—and apply lightly strong glue to one side thereof, coating the surfaces of the component threads of the fabric on that side, but exercising care to avoid filling the openings or interstices among such threads, so that the fabric is left in substantially the open-meshed condition it presented originally, the glue or adhesive coating being laid upon the threads or fibers of which the fabric is composed in a thin coat or film, but not entering and filling the meshes of the fabric nor impregnating or saturating said fibers.

Characteristics of my improved gummed cloth are that when it is dry its meshes are open and when it is wetted the moisture immediately goes through the holes and at once softens the cloth, and the softened gum enters and fills the meshes or interstices of the fabric and to some extent impregnates the fibers or threads thereof, so that when wetted the gummed cloth becomes very soft and pliable.

I claim as my invention—

As a new article of manufacture, a gummed cloth for binding tablets, &c., consisting of an open-meshed, loose-textured fabric coated on one side with a suitable adhesive; said adhesive being lightly laid upon the surface of the fabric so as not to saturate the threads composing said fabric or fill the interstices or meshes thereof when dry; but said adhesive, when softened by wetting said fabric, entering said meshes and impregnating said threads, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. H. CROWELL.

Witnesses:

CHAS. F. RANDALL,

LEPINE HALL RICE.