

(No Model.)

T. F. GREGG.
BINDING FOR BOOKS.

No. 391,604.

Patented Oct. 23, 1888.

Fig. 1.

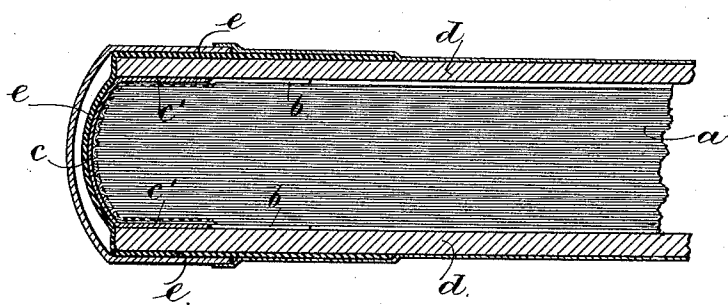
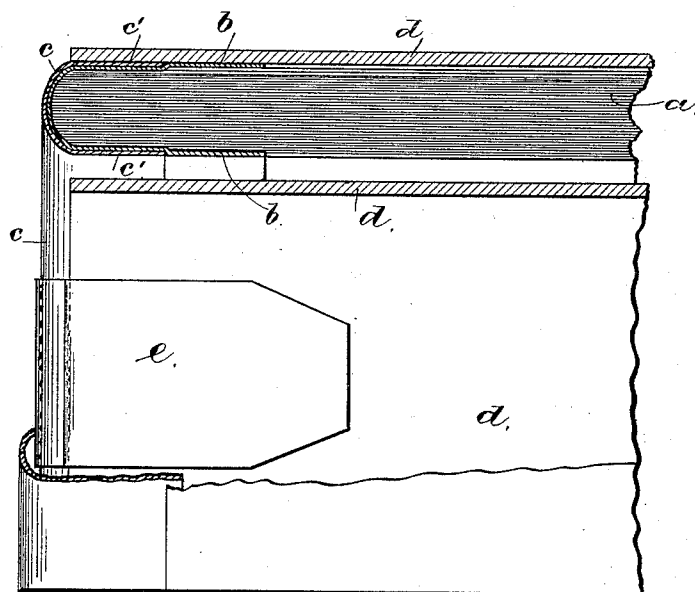


Fig. 2.



Witnesses.
Harold Serrell,
Chas. H. Smith

Inventor
Thornton F. Gregg
per Lemuel W. Serrell, atty.

UNITED STATES PATENT OFFICE.

THORNTON F. GREGG, OF NEW YORK, N. Y.

BINDING FOR BOOKS.

SPECIFICATION forming part of Letters Patent No. 391,604, dated October 23, 1888.

Application filed April 25, 1888. Serial No. 271,791. (No model.)

To all whom it may concern:

Be it known that I, THORNTON F. GREGG, of the city, county, and State of New York, have invented an Improvement in Bindings for Books, of which the following is a specification.

In the operation of binding that style of letter-copying books known in the trade as "loose-back" books the several sections composing the book are sewed together and to bands, and after gluing and rounding the back of the book in the usual manner an external sheet of flexible material—such as leather or cloth—technically called the "strapping," is glued to the back of the sections and extends an inch or more up the sides of the fly-leaves on either side of the book. Onto this strapping the boards forming the sides of the case or cover of the book are glued or pasted. A board rounded to conform to the back of the book is then placed over the back, and the book is ready to receive the outer covering. It has been found that when a book so constructed is subjected to the severe strain necessary for copying into it by means of a press or from other causes the strapping is sometimes torn from its fastening to the inner sides of the boards forming the cover; and the object of my invention is to obviate this difficulty.

My invention consists in applying two or more straps of leather or any strong textile material at the back of the book in such a manner as to prevent the strapping of a book constructed in the foregoing manner from being torn away from the boards of the cover, and this is accomplished in the following manner, viz: After the before-mentioned strapping has been glued to the rounded back and to the boards forming the sides of the book, I apply the straps forming my improvement by gluing them to and over the strapping in any desired position, bringing the ends of the same up over the outside of the boards forming the cover of the book and gluing them thereto.

In the drawings I have represented in Figure 1 a vertical cross-section of a book and the

binding-straps, and Fig. 2 is a sectional plan of the same.

The sections *a*, composing the book, are sewed together in the usual manner, and the bands *b* are sewed to the sections also in the usual manner. The strapping *c*, of flexible or textile material—such as linen webbing—extends the length of the back of the book, and is glued entirely over the rounded back of the sections *a*, and there are marginal edges at *c'*, that extend an inch or more up at each edge of the book, and these edges *c'*, as well as the ends of the bands *b*, are securely glued to the inside edge of the covers *d*.

As thus far described, the process of manufacture accords with the usual manner of making blank books, and especially copying-books. At this stage of manufacture, and after the covers *d* are secured to the edges *c'* and bands *b*, I secure straps *e*, which are made of leather, linen webbing, or similar flexible or textile material, by gluing the same in any desired position across the back of the book upon the strapping *c*, of flexible material, and passing the ends of the straps *e* over the outer face of the covers *d*, and gluing the same in place and creasing the strap along the back edge of the cover to conform to its shape. After these straps *e* are put in place, the book is allowed to dry in a press before the leather back or cloth siding usually employed is added to complete the book.

I employ two or any greater number of straps *e*, and it will be apparent that said straps passing around the outer edges of the cover act to bind the covers together across the back of the book, and thus prevent a tearing or separating action, which would be exerted by an extra thickness in the book, from tearing or separating the cover away from the sheet or strapping of flexible material *c*, or the strain exerted by a copying-press, and also that this method of making books is simple and very strong and efficient, adding to the durability and salable qualities of the book.

I claim as my invention—

1. The combination, with the sections composing the book and the bands *b* and covers *d*,

of straps of flexible material, *e*, secured across the back of the sections upon the strapping, the ends of which extend upon the outer face of the covers *d*, and secured thereto act to bind the covers together, substantially as set forth.

5 the covers together, substantially as set forth.
2. The combination, with the sections composing the book and the bands *b* and a sheet or strapping, *c*, and the covers *d*, to which the same are secured, of straps of flexible material,
10 *e*, secured across the back of the sections upon

the strapping, the ends of which extend upon the outer face of the covers *d*, and secured thereto act to bind the covers together, substantially as set forth.

Signed by me this 24th day of April, 1888. 15

THORNTON F. GREGG.

Witnesses:

GEO. T. PINCKNEY,

WILLIAM G. MOTT.