

No. 704,384.

Patented July 8, 1902.

R. C. SCHEMMELE.  
BACK STAY FOR CARRIAGE TOPS.

(Application filed May 12, 1902.)

(No Model.)

Fig. 1.

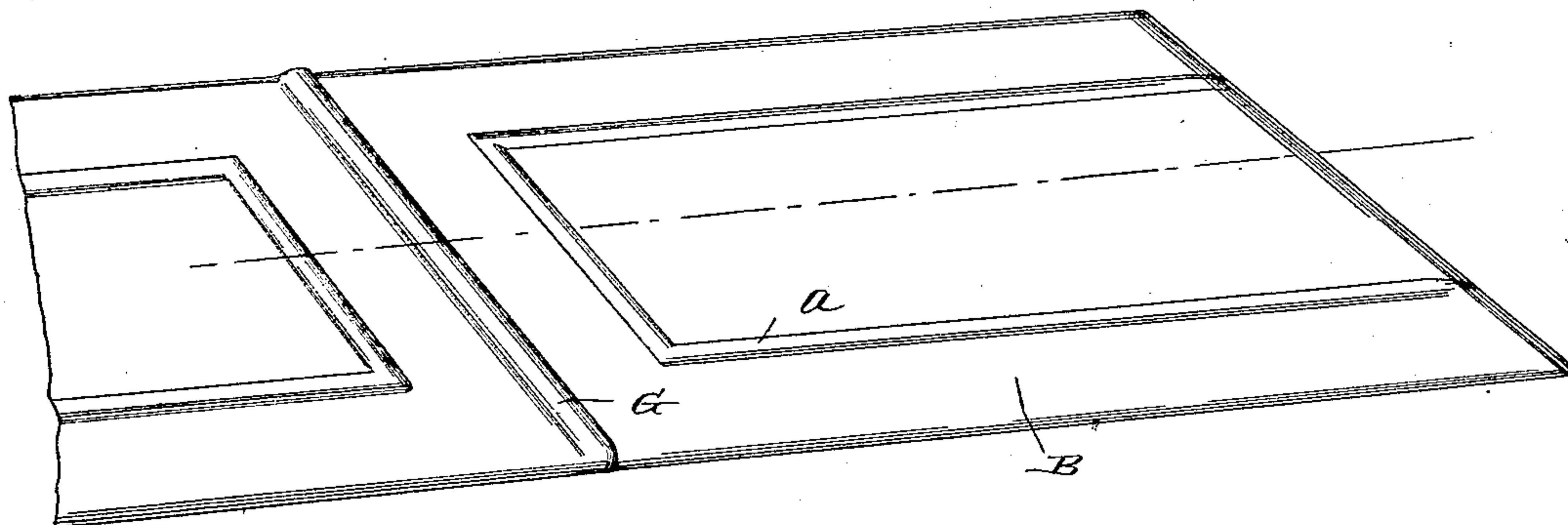


Fig. 2.

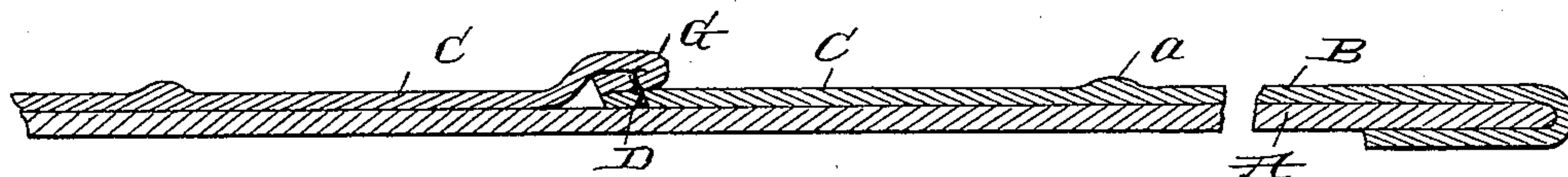


Fig. 3.

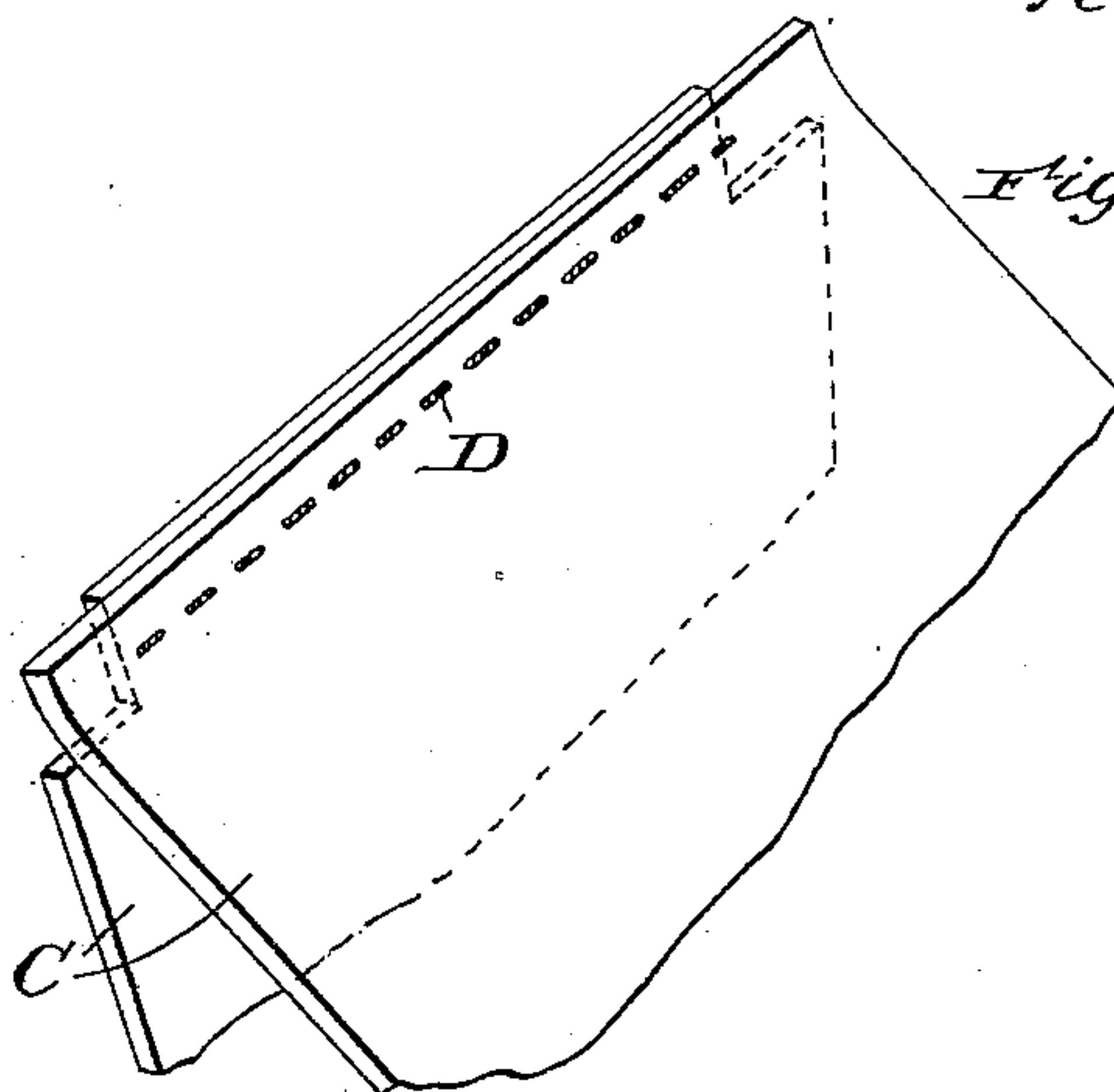
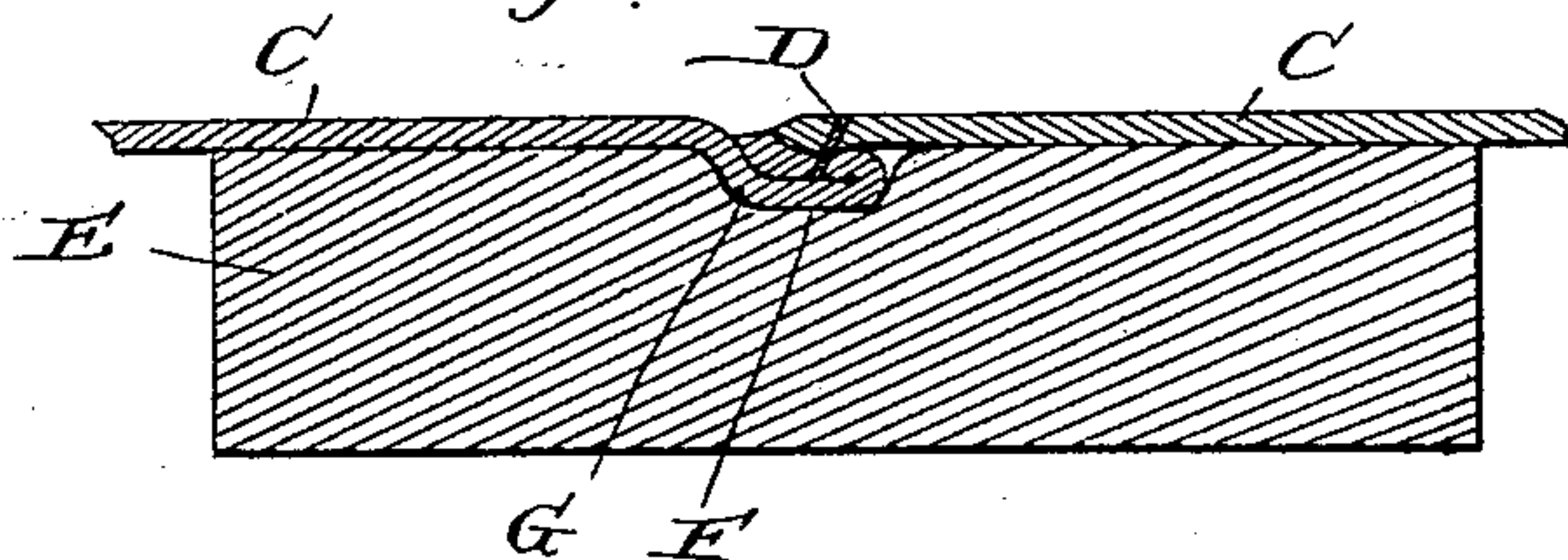


Fig. 4.



Witnesses  
*E. J. Rader*  
*W. C. Healy*

Inventor

*R. C. Schemmel*  
By *James J. Sheehy* Attorney



# UNITED STATES PATENT OFFICE.

ROBERT C. SCHEMMEL, OF UNION CITY, INDIANA.

## BACKSTAY FOR CARRIAGE-TOPS.

SPECIFICATION forming part of Letters Patent No. 704,384, dated July 8, 1902.

Application filed May 12, 1902. Serial No. 107,001. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT C. SCHEMMEL, a citizen of the United States, residing at Union City, in the county of Randolph and State of Indiana, have invented new and useful Improvements in Backstays, of which the following is a specification.

My invention relates to improvements in backstays for use in buggy and carriage tops; and it has for its general object to provide a backstay composed of a plurality of small pieces or scraps of leather joined in such manner that the passage of rain or weather between the pieces is precluded, and the stay presents the same appearance as if formed of one continuous piece of leather.

With the foregoing in mind the invention will be fully understood from the following description and claim, when taken in conjunction with the accompanying drawings, in which—

Figure 1 is a perspective view of the lower portion of a backstay made in accordance with my invention. Fig. 2 is a section taken in the plane indicated by the broken line 2 2 of Fig. 1. Fig. 3 is a perspective view illustrative of the manner in which two pieces of enameled leather are arranged with their enameled sides together and connected by through-and-through stitches in the manufacture of the improved stay; and Fig. 4 is a sectional view illustrating the manner in which a lap-welt is produced at the joint between the pieces of leather, the said welt having for its purpose to cover and hide the stitches and at the same time render the seam water-tight.

Similar letters of reference designate corresponding parts in all of the several views of the drawings, referring to which—

A is the textile filling usually employed in backstays to lend the requisite stiffness thereto, and B is the outer portion of enameled leather, the lower end and vertical edge portions of which are turned inwardly against and secured to the filling in the ordinary well-known manner.

My invention resides in forming the portion B of the stay of leather pieces or scraps C, enameled at one side, which scraps would otherwise be without use and go to waste. In so forming the portion B, I connect the pieces

or scraps C in a peculiar and advantageous manner, and as all of the pieces are connected in the same manner a specific description of the connection between the two pieces C shown will suffice to impart an understanding of all the connections. To connect the two pieces C, they are laid or superposed with their enameled sides together, and stitches D are taken through them adjacent to one end, as shown in Fig. 3. The pieces are then opened out or brought into alinement or approximate alinement with each other and are laid with their enameled sides down on a block E; provided with a die F, Fig. 4, so that the seam formed by the stitches D rests over the die. They are then subjected to hammering or pressure, when by reason of the die F a lap-welt G will be produced, which lap-welt rests over and hides the stitches D, as shown, and is calculated to preclude the passage of rain or weather between the pieces C. When a sufficient number of pieces C have been connected to form the outer portion B of a stay, the said portion B is applied to and turned over the filling A in the ordinary manner and as before described, when the stay will be ready for use.

As shown in Fig. 1, the lap-welt G is adapted, in addition to excluding weather from the seam between the pieces C, to enhance the finished appearance of the stay, and it will also be observed that when the stay is provided with welts  $\alpha$  in imitation of panel-work the lap-welts G may be made to resemble said welts  $\alpha$ .

It will be appreciated from the foregoing that I have provided a backstay which, while composed of a plurality of small pieces of enameled leather, is as finished in appearance and as durable as the ordinary stay formed of a single piece of enameled leather; also that the construction of my improved stay entails but little more labor than the one formed of a single piece of leather, and hence it may be produced very cheaply.

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

A backstay comprising a textile filling, and a leather portion arranged on and turned over the textile filling, and made up of pieces of

leather, enameled at one side; the said pieces of leather having the end portions of their enameled sides arranged together and connected by through-and-through stitches, and one of the pieces having a lap-welt disposed over the seam formed by said stitches.

In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

ROBERT C. SCHEMMEL.

Witnesses:

JOHN BUTCHER,

WILLIAM W. FOWLER.