S. LANKHEET.

BRACE.

APPLICATION FILED MAY 24, 1920.

1,428,484. Patented Sept. 5, 1922.

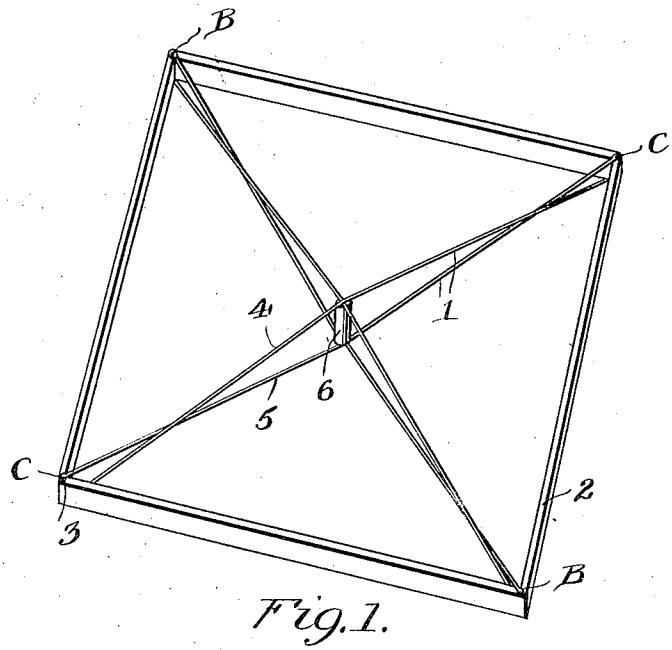


Fig. 1.

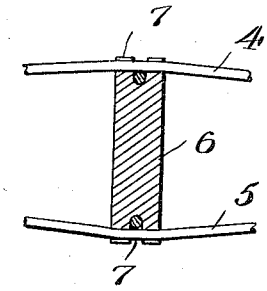


Fig. 2.

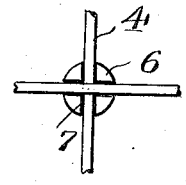


Fig. 3.

INVENTOR.

S. Lankheet

BY Victor J. Evans

ATTORNEYS.

Patented Sept. 5, 1922. 1,428,484

UNITED STATES PATENT OFFICE.

SANDER LANKHEET, OF HAMILTON, MICHIGAN.

BRACE.

Application filed May 24, 1920. Serial No. 383,976.

To all whom it may concern:

Be it known that I, SANDER LANKHEET, a citizen of the United States, residing at Hamilton, in the county of Alegan and State of Michigan, have invented new and useful Improvements in Braces, of which the following is a specification.

This invention relates to a brace and has for its primary object the construction of a brace that will redistribute strain in a manner that the latter can be properly taken care of so as to prevent distortion or breaking of the parts to which the brace is attached.

An object of the invention, as clearly shown in the drawing, consists of providing a brace for frames that is capable of transmitting strain from the point of application to another point that is not subject to a strain thereby enabling a frame to withstand greater stress.

With these and other objects in view the invention will be better understood from the following detailed description taken in connection with the accompanying drawing wherein:

Fig. 1 is a perspective view of a frame showing my invention applied thereto.

Fig. 2 is a detailed sectional view.

Fig. 3 is a top plan view.

Again referring to the drawing illustrating one construction and one application of my invention the numeral 1 designates a plurality of wires crossing at an angle to each other and having their ends secured to the corners of the frame 2 in any suitable manner as indicated at 3. The wires are forced apart to form an upper set 4 and lower set 5 by the pin 6 which is provided with slots 7 for receiving the wires in a manner that they will not become dislocated or the pin dislocated from the wires. The pin is of proper length to bring about proper tensioning of the wires. From this construction it will be seen that when a strain is applied to corners B the wire will distribute part of this strain to the corners C thereby subjecting the entire frame to the stress.

It is, of course, to be understood that the wires may be associated in other relations and connected to the frame in other manners and, therefore, I do not desire to be limited in any manner except as set forth in the claim hereunto appended.

Having thus described my invention what I claim is:

A brace comprising a frame, wires secured to said frame at its corners and crossing each other at their center at an angle, a tensioning pin having intersecting slots in each end for receiving said wires therein, said pin being of a predetermined length to separate the wires into sets and hold them under tension, and elements securing the ends of said wires to said frame.

In testimony whereof I affix my signature.

SANDER LANKHEET.