Aug. 26, 1930. C. HARDING 1,774,268

EXTENSIBLE PLANK

Filed March 12, 1929 2 Sheets-Sheet 1

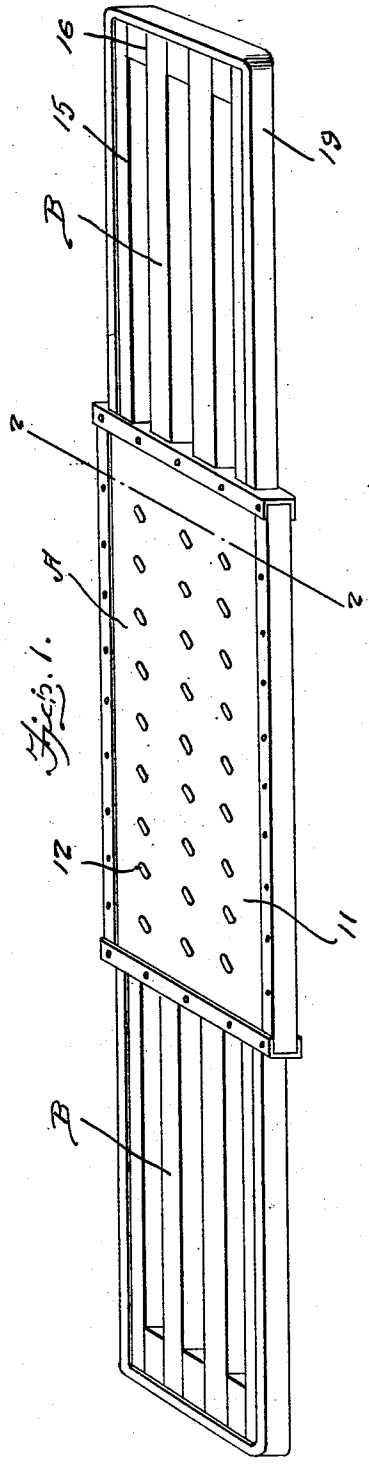


Fig. 1.

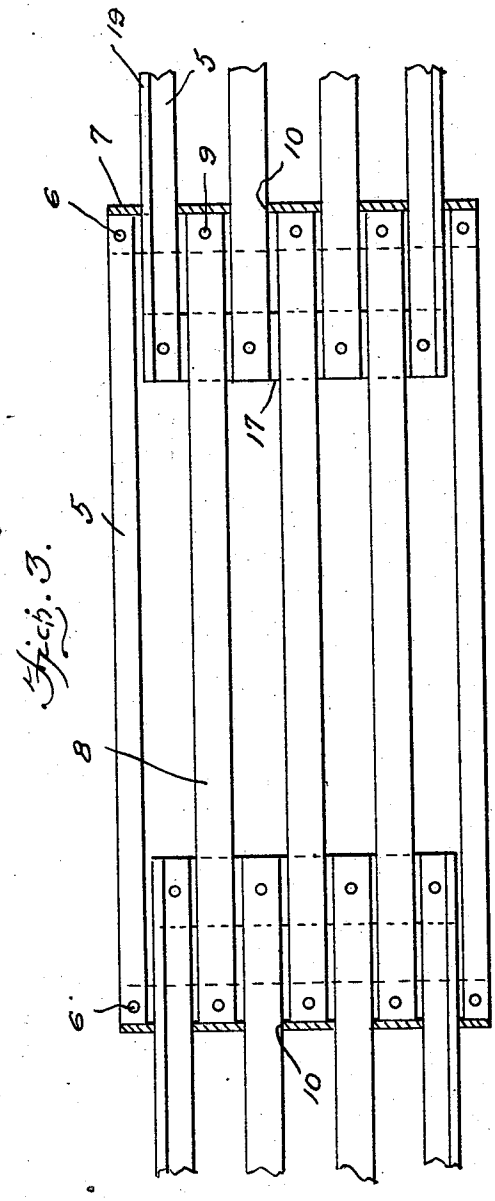


Fig. 3.

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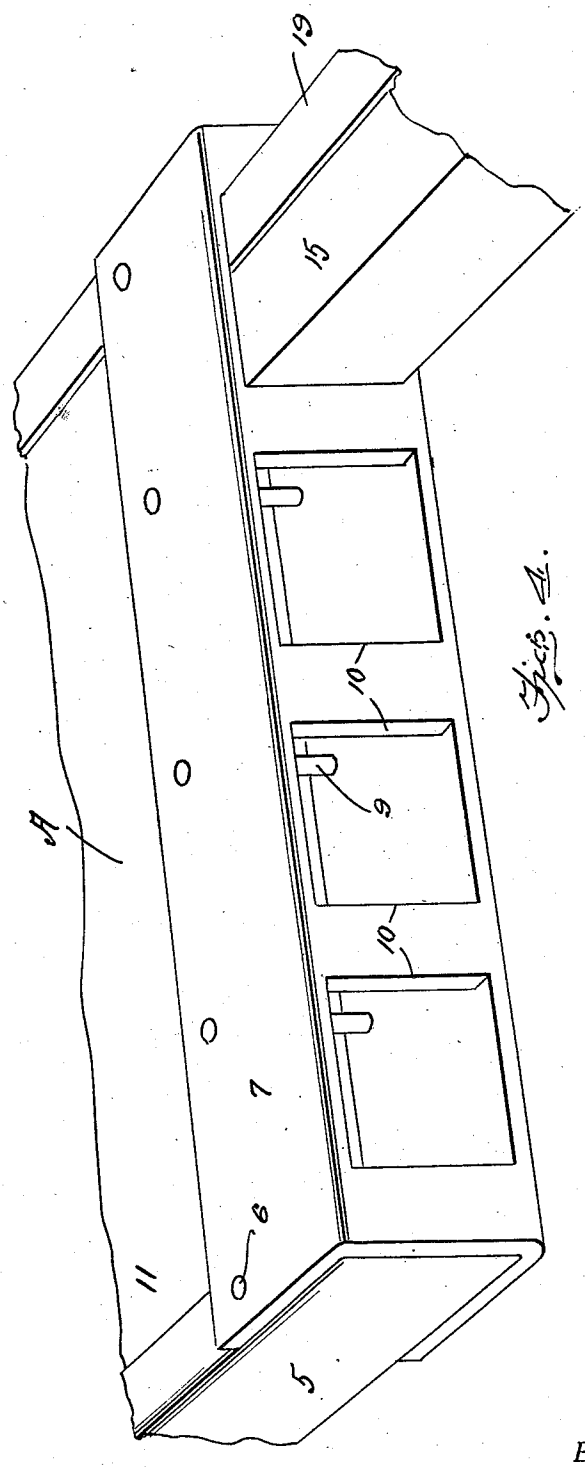


Fig. 1.

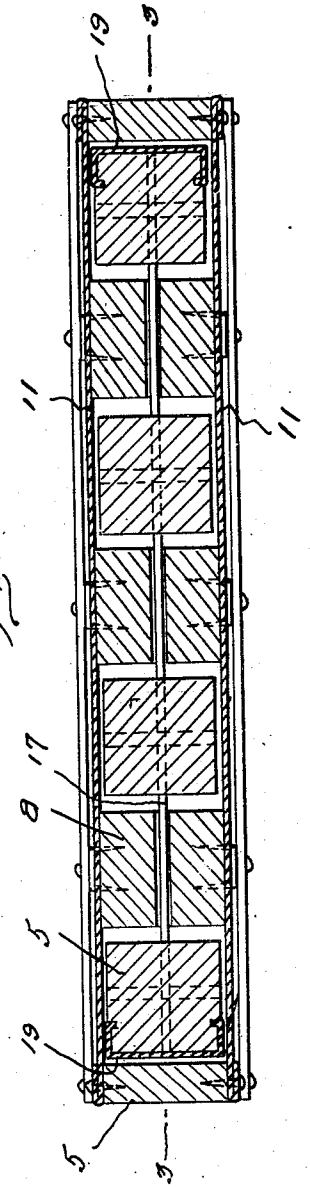


Fig. 2.

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UNITED STATES PATENT OFFICE

CHAUNCY HARDING, OF DENVER, COLORADO, ASSIGNOR OF ONE-HALF TO CEPHAS W. EASTMAN, OF DENVER, COLORADO

EXTENSIBLE PLANK

Application filed March 12, 1929. Serial No. 346,405.

The present invention relates to an extensible plank and has for its prime object to provide a structure comprising a main portion with a pair of other portions telescopically associated therewith.

Another very important object of the invention resides in the provision of an extensible plank of this nature which is exceedingly simple in its construction, strong and durable, inexpensive to manufacture, compact and convenient in its arrangement of parts, easy to manipulate, thoroughly efficient and reliable in use, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a perspective view of the plank embodying the features of my invention,

Figure 2 is a transverse vertical section taken therethrough substantially on the line 2—2 of Figure 1,

Figure 3 is a horizontal section taken substantially on the line 3—3 of Figure 2, and

Figure 4 is a perspective view of one end of the body or intermediate portion.

Referring to the drawing in detail it will be seen that the letter A denotes generally a central or body portion having telescopically associated therewith end portions B. The body portion A comprises a pair of side bars 5 disposed in coextensive spaced parallelism and secured as at 6 in the ends of channel bars 7 which are U-shaped in cross section.

A plurality of bars 8 extend between the channel bars 7 in parallelism with the bars 5 and in parallelism with one another. These bars 8 are arranged in pairs and the bars of each pair are slightly spaced one above the other as is indicated to advantage in Figure 2.

The bars 8 are secured as at 9 in the channel bars 7. The bight portions of the channel bars 7 are provided with openings 10. Plates 11 are secured to the bars 5 and 8 by a suitable means 12 and extend between the channel bars 7 one above and one below the bars 5 and 8.

Each member B comprises a plurality of spaced coextensible parallel bars 15 with spacing blocks 16 between the outer ends thereof. The inner ends of these bars 15 are slidable through opening 10 and therefore the bars 15 slide between the bars 5 and 8.

The inner ends of the bars 15 are connected by plates 17 which move between the upper and lower bars 8 as is clearly apparent from an inspection of Figure 2. The outer bars 5 and the outer ends of said bars 5 and the block 16 are protected by a channel guard structure denoted by the numeral 19.

From the above detailed description it will be seen that the sections B may be telescoped partially into the portion A or may be extended fully out therefrom as is indicated to advantage in Figures 1 and 3. It will be seen that the structure is strong and durable, inexpensive to manufacture, easy to manipulate, and thoroughly efficient and reliable.

The present embodiment of the invention, however, has been disclosed in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. An extensible plank of the class described including a central body portion and a pair of end portions telescopically associated therewith, said body portion including a plurality of spaced parallel coextensive bars and said end portions including a plurality of spaced coextensive parallel bars slidable between the first mentioned bars, channel members across the ends of the first

mentioned bars and having openings to receive the second mentioned bars.

2. An extensible plank of the class described including a central body portion and a pair of end portions telescopically associated therewith, said body portion including a plurality of spaced parallel coextensive bars and said end portions including a plurality of spaced coextensive parallel bars slidable between the first mentioned bars, channel members across the ends of the first mentioned bars and having openings to receive the second mentioned bars, a U-shaped channel guard about the side ones of the second mentioned bars and extending along their outer ends.

3. An extensible plank of the class described including a central body portion and a pair of end portions telescopically associated therewith, said body portion including a plurality of spaced parallel coextensive bars and said end portions including a plurality of spaced coextensive parallel bars slidable between the first mentioned bars, channel members across the ends of the first mentioned bars and having openings to receive the second mentioned bars, a U-shaped channel guard about the side ones of the second mentioned bars and extending along their outer ends, spacer blocks between the outer ends of the second mentioned bars.

4. An extensible plank of the class described including a central body portion and a pair of end portions telescopically associated therewith, said body portion including a plurality of spaced parallel coextensive bars and said end portions including a plurality of spaced coextensive parallel bars slidable between the first mentioned bars, channel members across the ends of the first mentioned bars and having openings to receive the second mentioned bars, a U-shaped channel guard about the side ones of the second mentioned bars and extending along their outer ends, spacer blocks between the outer ends of the second mentioned bars, plates secured above and below the first mentioned bars.

In testimony whereof I affix my signature.

CHAUNCY HARDING.