April 16, 1940. M. D. MESTAS 2,197,701

SLED

Original Filed Feb. 23, 1938 2 Sheets-Sheet 1

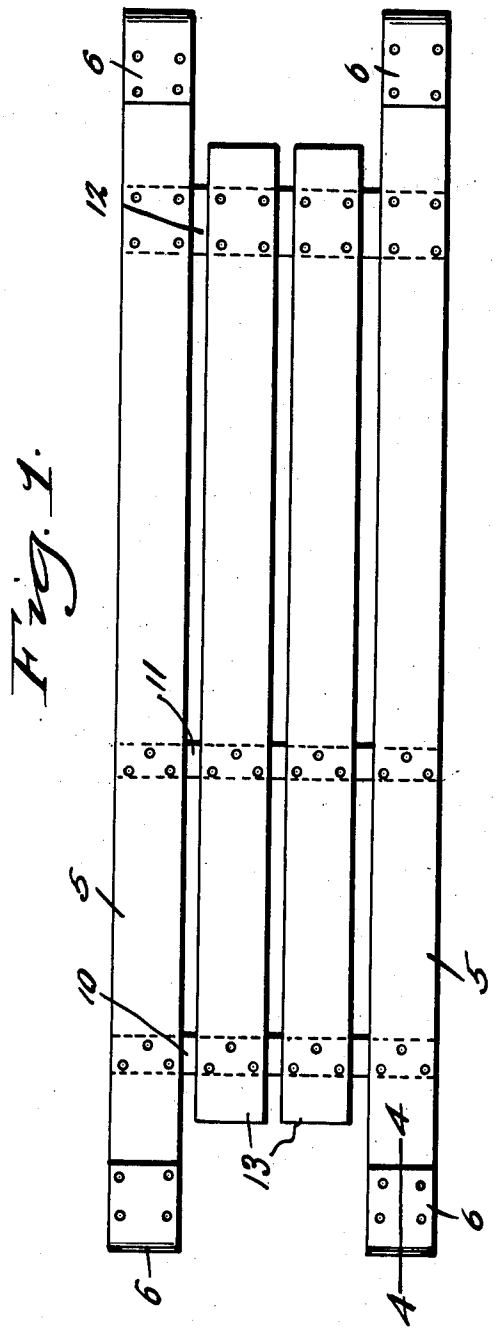


Fig. 1.

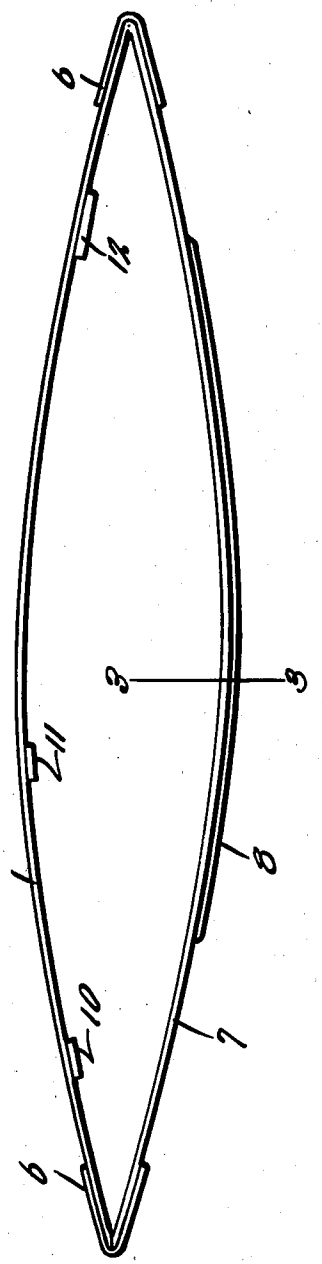


Fig. 2.

Inventor

Manuel D. Mestas

By Clarence A. O'Brien

Hyman Berman

Attorneys

April 16, 1940. M. D. MESTAS 2,197,701

SLED

Original Filed Feb. 23, 1938 2 Sheets-Sheet 2

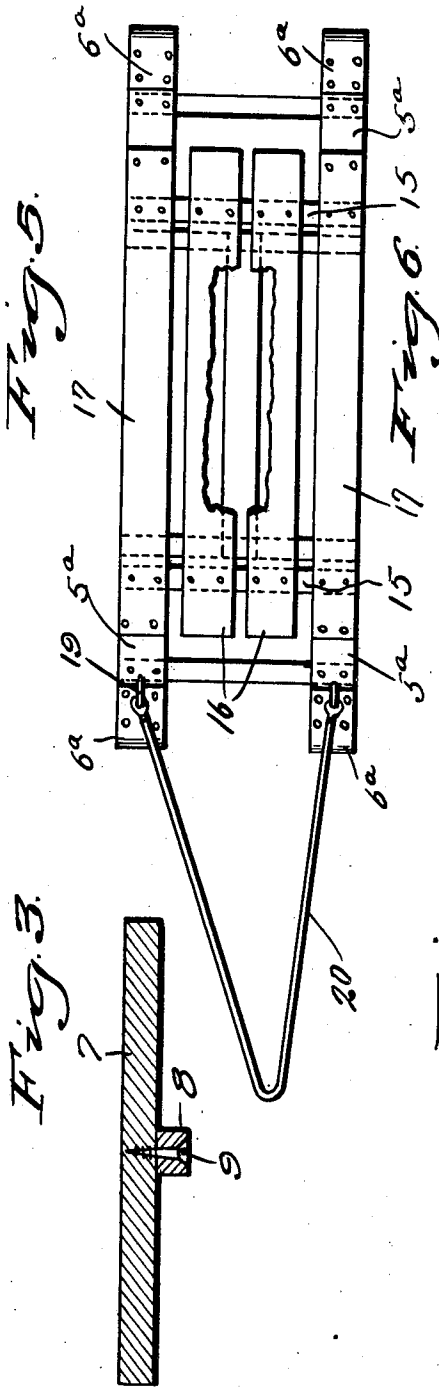


Fig. 5.

Fig. 3.

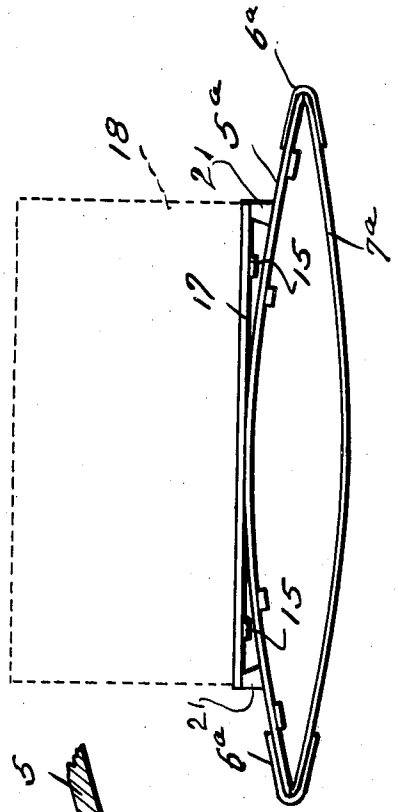


Fig. 6.

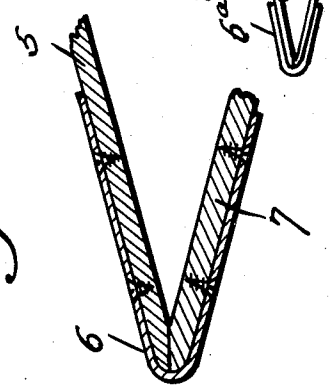


Fig. 4.

Inventor

Manuel D. Mestas

By Clarence A. O'Brien

Hyman Berman

Attorneys

Patented Apr. 16, 1940 2,197,701

UNITED STATES PATENT OFFICE

2,197,701

SLED

Manuel D. Mestas, Port Washington, Wis., assignor of one-third to Earl Jerome Stieg and one-third to Leon Joseph De Broux, both of Port Washington, Wis.

Application February 23, 1938, Serial No. 192,129
Renewed February 16, 1940

1 Claim. (Cl. 280—12)

This invention appertains to new and useful improvements in sleds.

The principal object of the present invention is to provide a sled which in use will have bouncing action.

Another important object of the invention is to provide a sled which will have a shock absorbing effect when travel is made over bumps and elsewhere.

Other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 represents a top plan view of the sled.

Figure 2 is a side elevational view.

Figure 3 is a sectional view on the line 3—3 of Figure 2.

Figure 4 is a sectional view on the line 4—4 of Figure 1.

Figure 5 is a top plan view of a modification of the invention.

Figure 6 is a side elevational view of the sled shown in Figure 5.

Referring to the drawings wherein like numerals designate like parts, it can be seen that the sled shown in Figures 1 and 2 is made up of a pair of top slats 5—5 connected by end straps 6 of sheet metal to underlying runner slats 7. These slats 5—7 can be of wood, metal or in fact any desirable material, the lower slats 7 each being provided with longitudinally extending runner cleats 8 suitably secured thereto as at 9.

Strip members 10, 11 and 12 are secured at their end portions to the top slats 5—5 at their undersides and to these cross members 10, 11 and 12 are secured the intermediate slats 13—13 which are shorter than the slats 5—5 and serve as a body rest.

As can be seen, the slats 5 and 6 are bowed in respect to each other and offer spring action when the sled is bumped as when going over humps or jumps.

A modification of the invention is shown in Figures 5 and 6 wherein the side slats 5a—5a are connected by the side straps 6a (corresponding to the straps 6 shown in Figures 1, 2 and 4) to the runner slats 7a and in this form cross members 15—15 have slats 16—16 secured thereon between the end slats 17—17, it being observed that the cross members 15—15 rest upon the slats 5a and in this connection, the slats 16 and 17 are straightly disposed preferably with the view in mind of placing a box or the receptacle 18 thereon and are supported by the risers 21 which extend upwardly from the side slats 5a, the latter corresponding to the side slats 5 in Figures 1 and 2.

Obviously, eyes 19 can be placed at certain ends of the slats 5 or 5a and to these eyes a rope 20 can be attached.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

A sled construction comprising a pair of runner slats of spring material and of arcuate shape throughout their entire length, a pair of top slats each of arcuate shape throughout its entire length and having their ends bevelled and disposed in abutting relation with the corresponding ends of the runner slats, connecting means between the abutting ends of the runner and top slats, said connecting means comprising V-shaped straps embracing the abutting end portions of the runner and top slats, a platform of plane construction, and risers extending upwardly from the top slats and to which the said platform is attached at the corner portions of the said platform.

MANUEL D. MESTAS.