June 24, 1930. C. FREDRICKSON ET AL 1,768,046

SKI SLED

Filed March 13, 1929 2 Sheets-Sheet 1

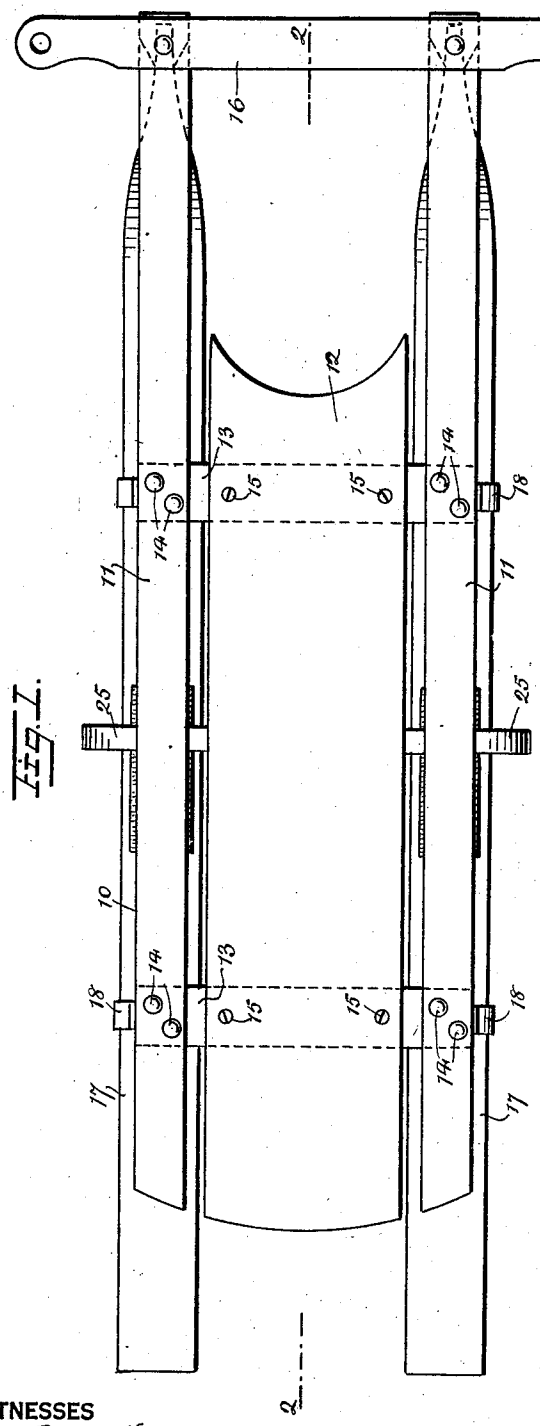


Fig. 1.

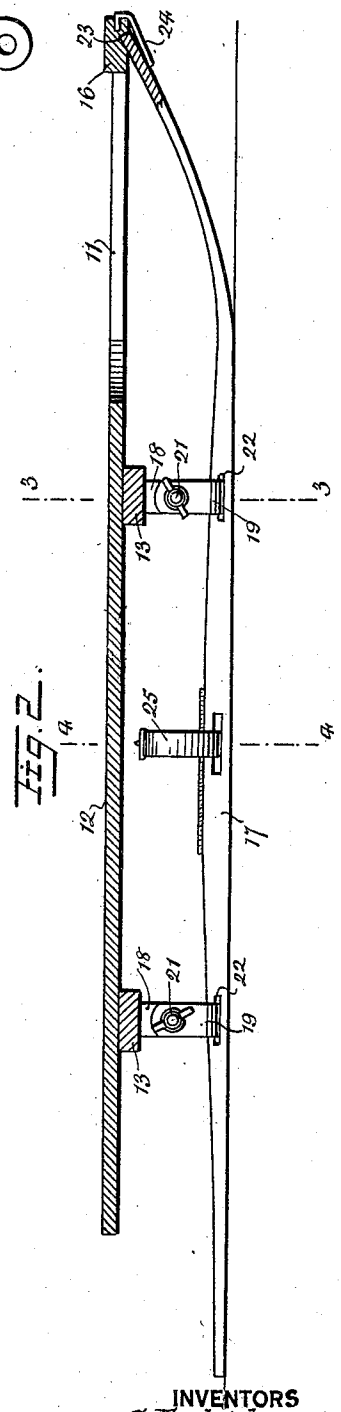


Fig. 2.

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Filed March 13, 1929 2 Sheets-Sheet 2

Fig. 3.

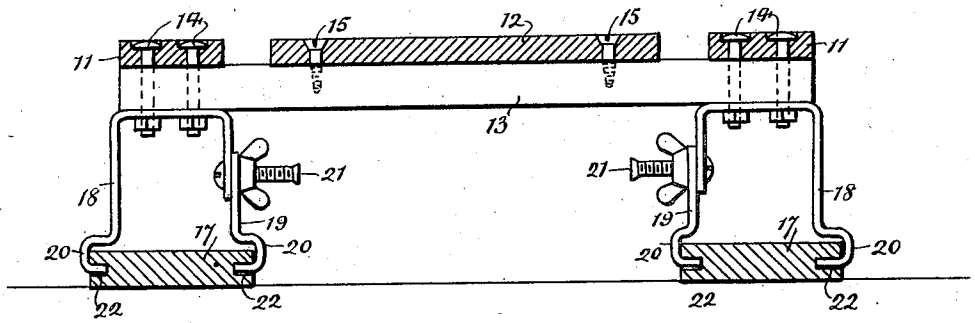


Fig. 4.

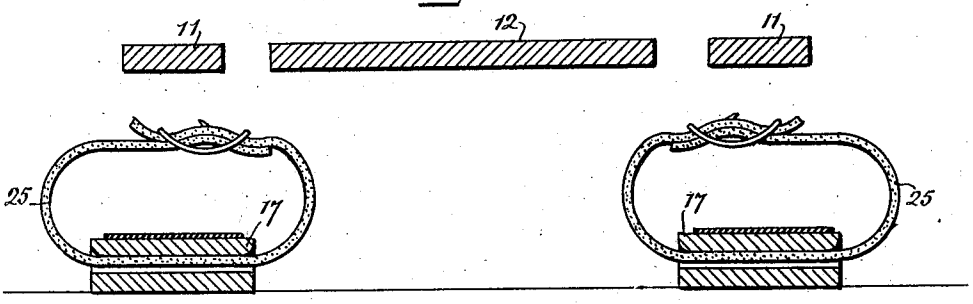


Fig. 5.

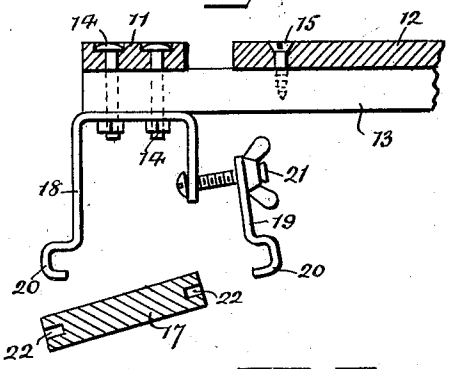
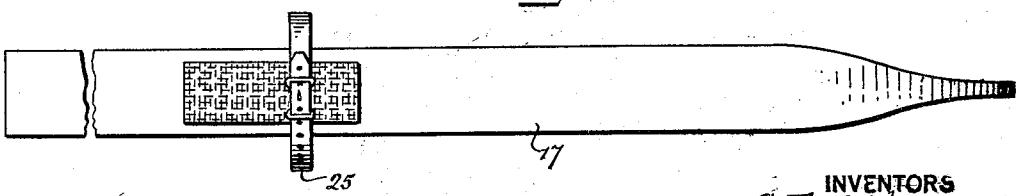


Fig. 6.



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UNITED STATES PATENT OFFICE

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SKI SLED

Application filed March 13, 1929. Serial No. 346,760.

This invention relates to a new article of manufacture which embodies a sled and skis.

The principal object of the invention is the production of an article of the indicated character which may be used as a sled, and the runners thereof being in the form of skis, which may be readily detached for use in the usual manner.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in conjunction with the accompanying drawings, in which:

Figure 1 is a plan view of the complete article adapted for use as a sled;

Fig. 2 is a central longitudinal sectional view taken on the line 2—2 of Fig. 1;

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2;

Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2;

Fig. 5 is a sectional view illustrating the detachability of one of the ski-runners;

Fig. 6 is a plan view of one of the ski-runners, a portion thereof being broken away.

In accordance with the invention use is made of a supporting structure 10 in the form of a sled top consisting of longitudinal top pieces 11 and 12, and cross-pieces 13 secured to the undersides of the pieces 11 and 12 to hold them together. The top pieces 11 are secured to the cross-pieces 13 by bolts 14, and the top piece 12 is secured to said cross-pieces 13 by screws 15. A draw bar and foot rest 16 is secured to the forward ends of the top pieces 11, for obvious purposes. Use is also made of skis 17 which serve as runners for the supporting structure 10 on which a youngster or youngsters may ride. The skis 17 are detachably secured to the underside of the structure 10 in a manner presently to be described. Use is made of similar clamping or attaching devices, a pair of which is attached to each cross-piece 13. Each ski clamping or attaching device consists of cooperative clamping or attaching members 18 and 19, each having a jaw 20. The member 18 is rigidly secured to the related cross-piece 13 by one set of the bolts 14, and the other member 19 is adjustably connected with the related member 18 by a wing nut and bolt 21. The members 18 and 19 are brought into clamping engagement with the related ski, with the jaws 20 respectively engaged in grooves 22 in the ski, as shown most clearly in Fig. 3. The forward end of each ski 17 enters a notch 23 in the bar 16, and is engaged by a clip 24 secured to said bar 16. In this manner the skis 17 are detachably secured to the structure 10 disposed to serve as runners therefor, the parts constituting a sled to be used in the usual manner.

It will be obvious that the skis 17 may be readily detached by disengaging the clamping or attaching devices, as illustrated in Fig. 5, whereupon said skis 17 may be used by a youngster to enjoy the pleasurable benefits of skiing. Each ski 17 is provided with any suitable means such as the strap 25 for the attachment of the ski to the foot of the wearer.

It is to be understood that the skis 17 may be made in various sizes and that they may be made of any suitable material preferably hard wood such as maple, so as to easily slide over freshly fallen snow without sinking into the same.

What is claimed is:

The combination of a supporting structure in the form of a platform, skis, and devices to rigidly but detachably connect said skis to said structure in positions to serve as runners for said structure, each of said devices comprising a pair of separate cooperative members detachably engageable with the related ski, one of said members being rigidly secured to said structure on the underside thereof, and the other member being attached to the first member by clamping means which securely holds said last mentioned member in engagement with the ski to cooperate with the other member, for the aforesaid purpose.

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