How to Build a Klondike Sled

Materials Required

EA EA

2 Strips of 1/4" plywood. 3' x 6'2" long 2 1" x 3" x 3"

6 1" x 3" x 6' 2 1" x 3" x 2'5"

2 1" x 3" x 4'6" 2 1" x 3" x 1'9.5"

7 1" x 3" x 1'6.5" 2 1" x 3" x 1'2"

2 1" x 3" x 6'6" 50 2" Wood Screws

8 2" x 4" x 5" 75 1.5" Wood Screws

25 1" Wood Screws

I recommend using the standard 4" lumber not cutting to 3". This makes the sled sturdier and saves a lot of time.

1. Assemble Runners (Figure 1)

Use 2 strips of plywood (3" x 6'2"), 2 - 1" x 3" x 4'6" and 8 - 2" x 4" x 5".

Use 2.5"wood screws

1. Using runners just assembled attach 5 each 1" x 3" x 1'6.5" pieces to 2"x 4" x 5" blocks and across front end of runner. Use 1.5" wood screws and 1" wood screws. (Figure 2)



Use 1.5" wood screws

Use 1" wood screws

From bottom up

FIGURE 2 -Base

1. Attach 6 each floorboards (1" x 3" x 6') to the sled base. Use 1.5" wood screws. I recommend you soak the forward section of the runner before trying to attach it to the floorboards so it does not crack. (Figure 3)



1. Attach 4 uprights (1" x 3" x 3'; 1" x 3" x 2'5"; 1" x 3" x 1'9.5"; and 1" x 3" x 1'2") to the base of the sled. Repeat for the other side. Then attach the side rails to the top. Make adjustments as necessary to run the rails from the lower front of the sled to the rear uprights. Use 2" wood screws at the base and 1.5" wood screws on the uprights and rail. (Figure 4)

FIGURE 3 - Floor Boards

1. The final step is to attach a hand rail (1" x 3" x 1'6.5") atop the tallest uprights (rear of sled) and a brace (1" x 3" x 1'6.5") halfway between the top and bottom of the tallest uprights on the outboard side of the sled. Use 2" wood screws.

Additional braces may be required based on sturdiness of sled.



1. Attach some type of towing Bridge to the front of the sled. Five or seven Scouts are sufficient. Here is an example.

