

# Rock Storage & Transport System

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I made enough of these to hold 5 sheets of rocks. Note the wheels and piece of rope. The back wheels (leftmost) are fixed, and the front wheels turn, to allow the entire thing to be steered when pulling on the rope.



The running surfaces of the rocks are not touching anything – keeping them dry! This rack with rocks weighs over 1,330 lbs, but it can still be moved by one person.



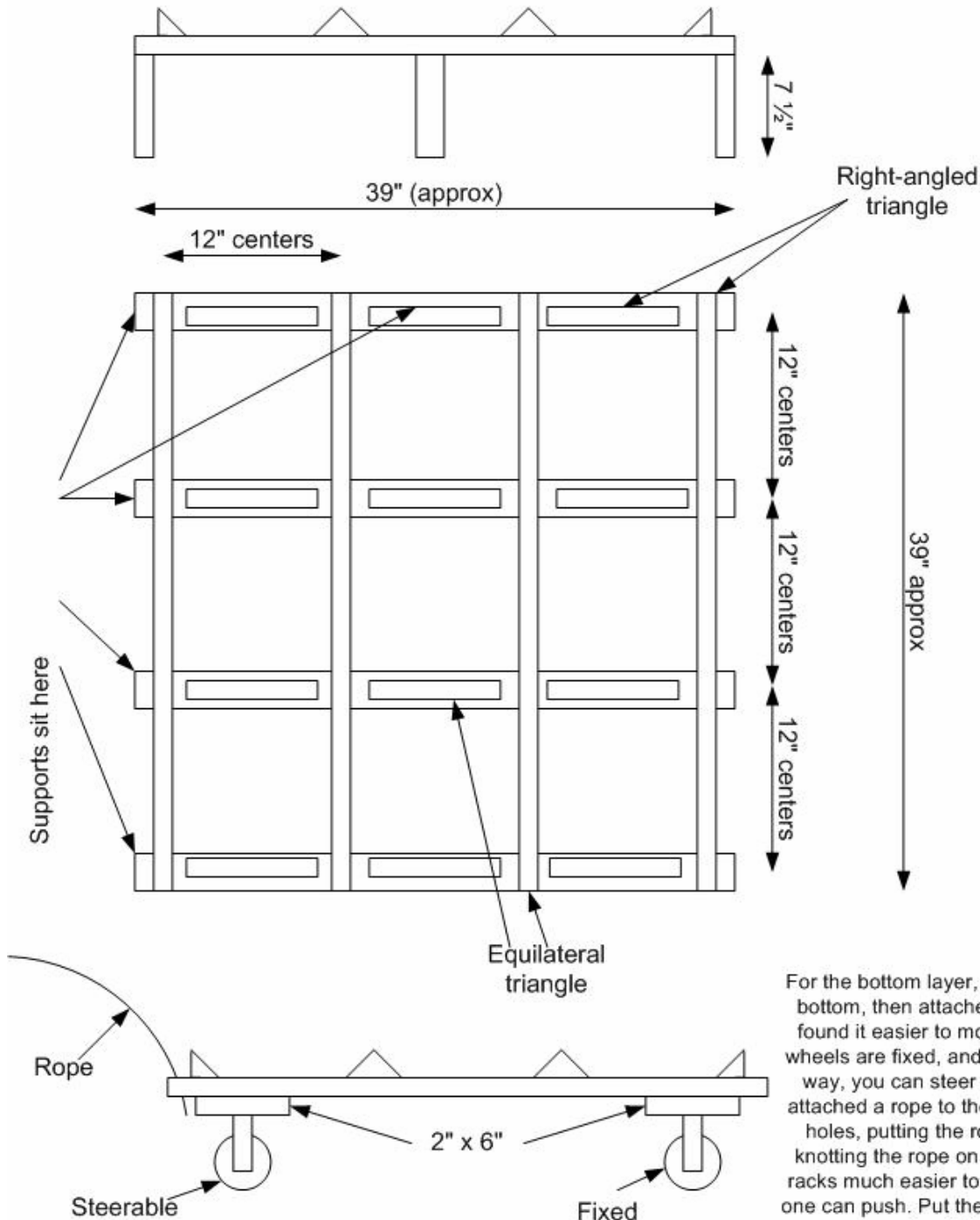
You can see how the rocks are held in place by the triangular pieces I cut.

The cart is made-up of several individual racks stacked one on top of another.

Each rack is made of 4 x 2"x4"x39" long. Triangular strips are cut from other 2x4s, as shown below. Note the shape of the outside triangular strips - this is necessary to allow the racks to stack.

The short, supporting 2x4s are positioned so that they sit on the outside of the triangular strips, but on the 2x4 of the rack below. I over-engineered the racks I made, and put too many supporting 2x4s on the racks, making them quite heavy!

Note that I did not show the "short" triangular pieces on this side view, but you need to cut triangular pieces approx 10" long, and put them between the long, lateral-running triangle pieces.



For the bottom layer, I put two 2x6x39 long on the bottom, then attached heavy-duty wheels to it. I found it easier to move the racks if two of these wheels are fixed, and two of them can rotate - this way, you can steer the rack quite easily. I also attached a rope to the bottom layer by drilling two holes, putting the rope through the holes, and knotting the rope on the bottom. This makes the racks much easier to move - one person can pull, one can push. Put the rope at the same end as the wheels that steer, though!