

# Rolan Kraps Gun Cart Plans

## Materials Needed

Northern Tool & Equipment Company  
Flatbed Wagon (Item #143300-F721)  
or Equivalent with 48"x24"x7/8" platform.  
6 - 1"x6"x8'  
2 - 1"x2"x8'  
1 - 2"x4"  
1 - 1"x10"x6'  
150 - #6 x 1-1/2 wood screws  
3 - Hinges  
4 - brass handles (for lifting in and out of the truck)

1 piece of foam rubber 2" thick for padding  
1 piece of material cut to fit lid  
3 pkg. brass tacks  
(for securing seat to lid)  
Leather Lacing (to hold guns)  
1 Square of Self Adhesive Felt  
1 3" handle for the lid

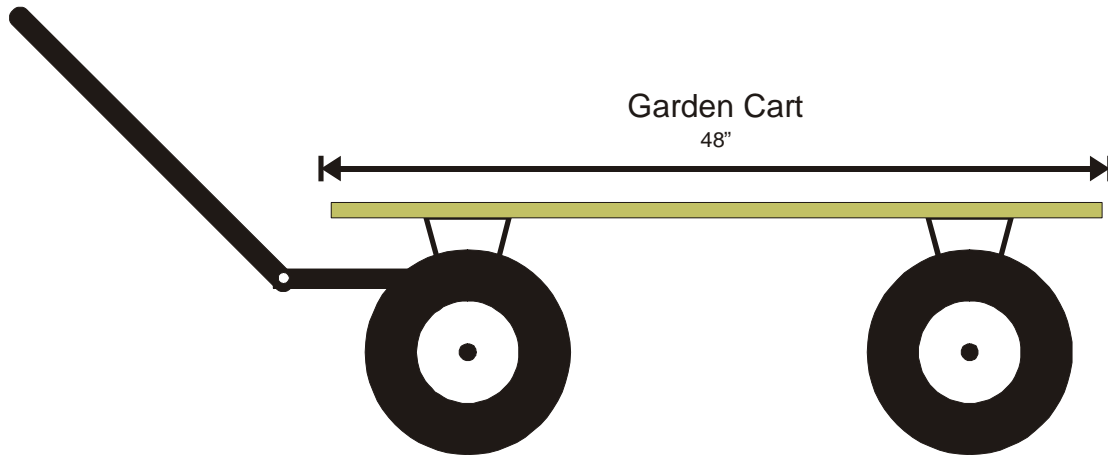
## Tools Needed

Table Saw (not really but it's a big help)  
Drill  
Screw Driver (Powered is suggested)  
Hole Saw with 2" bit



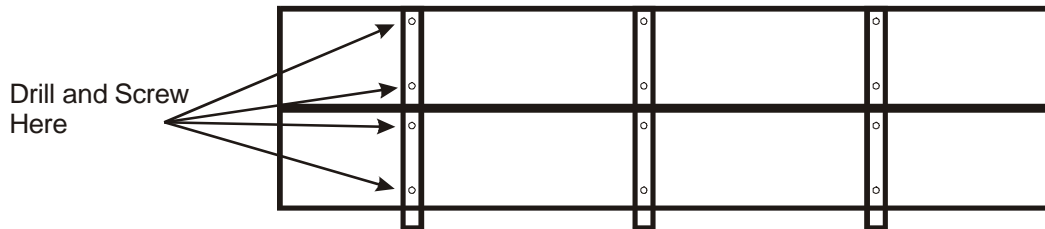
## Step 1 Getting Started

The first step is to assemble all your components (or you'll be running back and forth to Home Depot). A variable speed drill or powered screwdriver will be well worth the investment.



## Step 2 – Building the Sides of the Cart

Now you're ready to start building your cart. Cut two, 48" lengths of your 2"x6" and sand the ends. Then cut three lengths of 1"x2" to 15¼". Apply wood glue to the vertical pieces and screw into the two, horizontal sides at the positions indicated. The vertical pieces should protrude about 1" below the bottom of the side pieces. **TIP:** Drill the holes first!



**TIP:** You can make the cart look more finished if you bevel the vertical pieces at about a 15° angle as shown below. Only bevel the "top" side of the vertical support. This is best done on a table saw. Sand Well!



## Step 3 – Building the Front and Back Sides

The front and back pieces will fit between your side pieces. You will need 4 more vertical supports (the same size as step 2 - 1"x2" to 15¼") and 4 - 1"x6" cut to about 22 6/8". **NOTE:** Exact measurements may vary. Measure twice, cut once! Apply wood glue to the vertical pieces and screw into the two, horizontal sides at the positions indicated. The vertical pieces should protrude about 1" below the bottom of the side pieces.

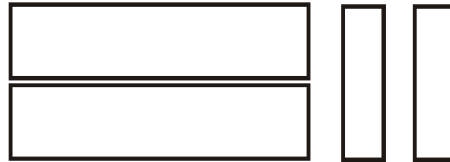


## Set 4 – Building the Internal Divider

The Internal divider may be as long as desired. The original design was cut to fit our double barreled shotguns so that they would stay open, and have enough room for our cooler, brass bag, and ammo box.

*All measurements should be measured on your cart and not taken exactly from these plans.* Cut two pieces of 1"x6" to fit between sides. This should be about 22 6/8". Cut two pieces of 1"x4" to 14½".

Set these pieces aside.



## Step 5 – Building the Box

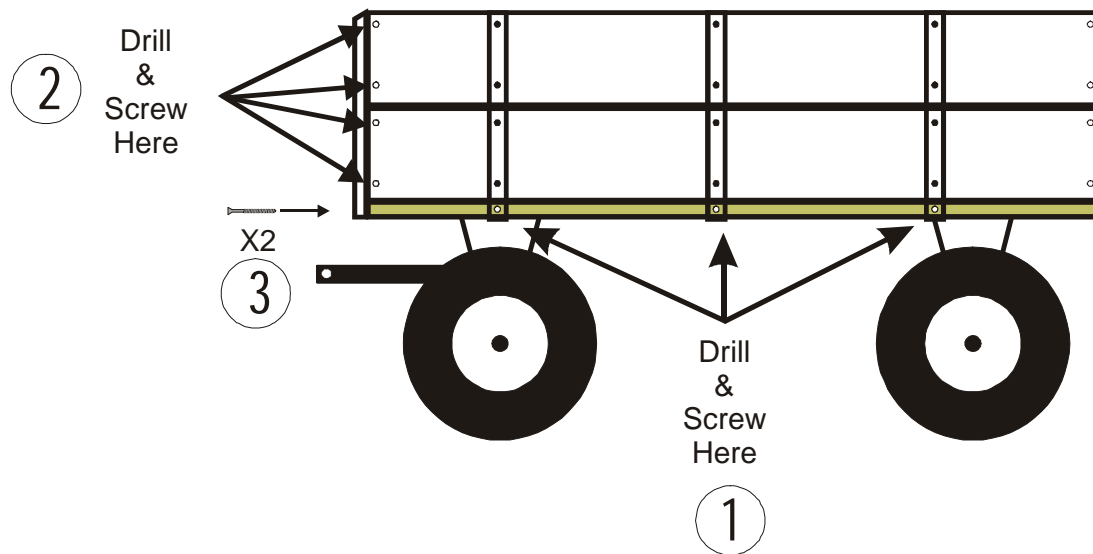
1 - Take your finished side pieces and set them on the lip of the wagon. This is at least a two person job!

Drill three holes into the vertical supports as shown by the white holes. Secure the first cart side into the platform.

2 - While someone holds the first side, fit the front of the box to the wagon and drill four holes through the side into the front. A framing square is handy to make sure that your edges are square. Secure with 4 screws.

3 - After screwing into the front of the box, drill and screw two holes in the bottom of the front, securing it to the wagon.

4 - Continue around the side of the wagon until the box is completed.



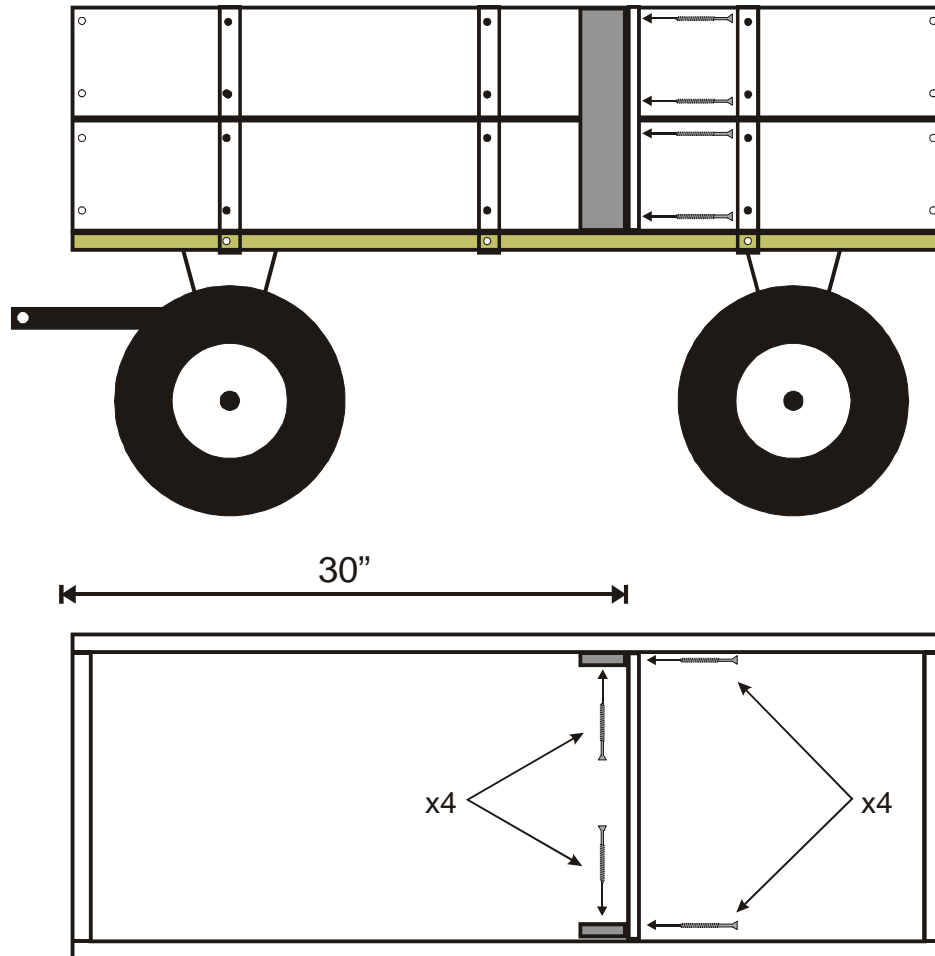
## Step 6 – Adding the Inside Support

1 - Measure from the front of the box to create the desired length for the inside of the box. We made our's 30".

2 - Mark the inside of the box, glue and place the pre-cut inside pieces inside the frame as shown in the diagram.

3 - Glue and screw the 1"x4" to the inside of the box.

4 - Screw the inside supports into the 1"x4".



## Step 7 – Building the Top of the Box

Until now, everything has been an easy measure and cut. You should have known it was too good to last. If you have lived right, you should need two pieces of 1"x10", one piece of 1"x6", 2 pieces of 1"x4" and one piece of 1"x2".

1 - Cut two pieces of 1"x10" to the outside dimensions of your box (again, ours is 30"). Place the cut boards on the outside edges of your cart.

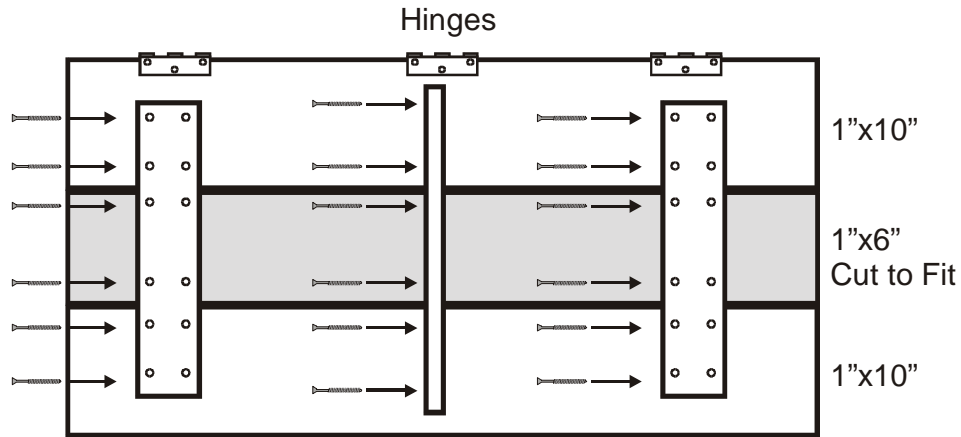
2 - Measure the distance between the two pieces. A 1"x6" should fit, but may have to be ripped on a table saw to fit (depending on how picky you are).

3 - Glue the three boards together.

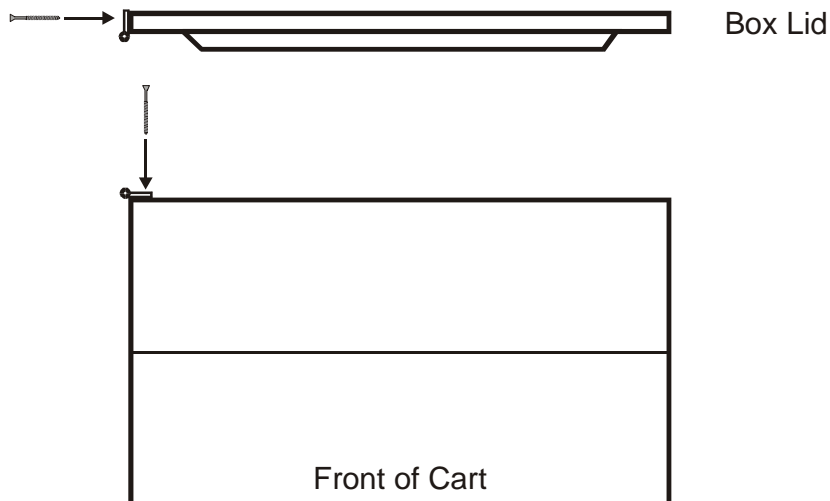
4 - Cut two pieces of 1"x4" and one piece of 1"x2" to a length well inside the box dimensions. Ours measures 20½" for the 1"x4", and 22½" for the 1"x2". Bevel the edges of these pieces to eliminate rough edges.

5 - Glue and Screw the supports to the box as shown in the diagram. This is the BOTTOM of the lid. Pick it up, and turn it over.

6 - Add hinges to the box as shown at bottom.



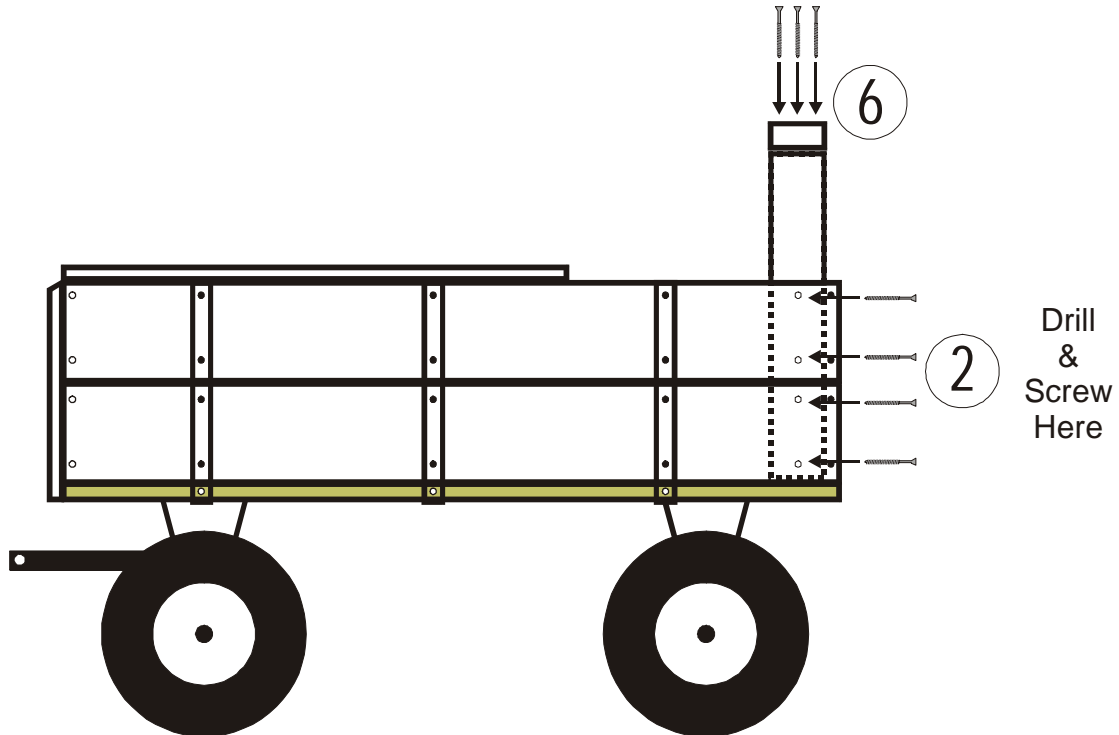
### Hinge Placement



## Step 8 – Building the Gun Rack

**NOTE:** While I'll give you my measurements for the gun rack, they are predicated by the height of my camper top on my pickup truck. Measure how high your pickup or SUV is before building.

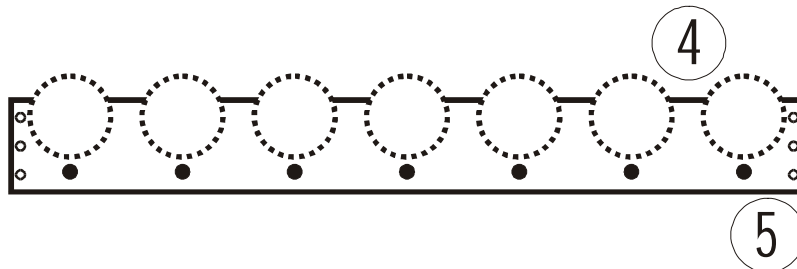
- 1 - Cut two 1"x4" boards 24".
- 2 - Glue and screw boards into back of gun cart.
- 3 - Measure outside dimensions on vertical braces and cut 2"x4" to fit.



4 - Using a hole saw (or mandril), cut the desired number of holes into the 2"x4". For maximum strength, the holes should not be drilled in the center of the board (see figure below):

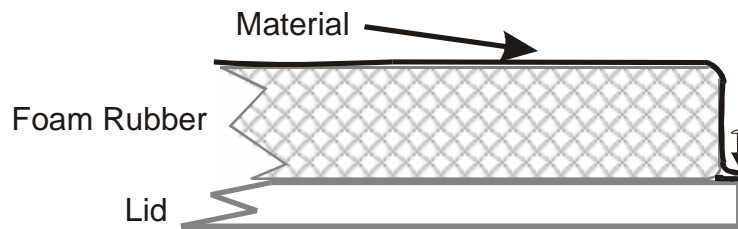
**NOTE:** If you are shooting a double barrel shotgun, you may need to open the size of the hole for fit.

- 5 - Drill a ¼" hole behind each gun position.
- 6 - Glue and screw gun rack to vertical supports.



### Step 9 - Building the Seat

- 1 - Cut 2" thick foam rubber pad to fit lid of box.
- 2 - Cut material to size of foam plus 3" (ours was 36"x30").
- 3 - Turn material under on end, and use upholstery tacks to secure to lid.



### Step 10 - Finishing Touches

- 1 - Drill and mount four, 6½" grab handles on the base platform. This will facilitate loading and unloading.
  - 2 - Mount a small, 4" brass handle in the middle of the lid to make opening and closing easier.
- TIP:** you may want to use a small piece of chain to keep the lid from over extending when open.
- 3 - Finish your cart either with paint or some form of varnish or sanding sealer. We used a propane torch to age the cart, then used a honey pine stain/poly coat.
  - 4 - After your cart is dry, loop leather lacing from the bottom of the gun rack to make tie-downs for your guns.
  - 5 - Cut self adhesive felt to line each station of the gun rack.

