

The Snow Ripper - Rip snow from your roof in minutes. 1/2 Snow rake - 1/2 Ripper / Cutter. All for under \$20.00

by [billbach](#) on February 3, 2011

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Intro: The Snow Ripper - Rip snow from your roof in minutes. 1/2 Snow rake - 1/2 Ripper / Cutter. All for under \$20.00

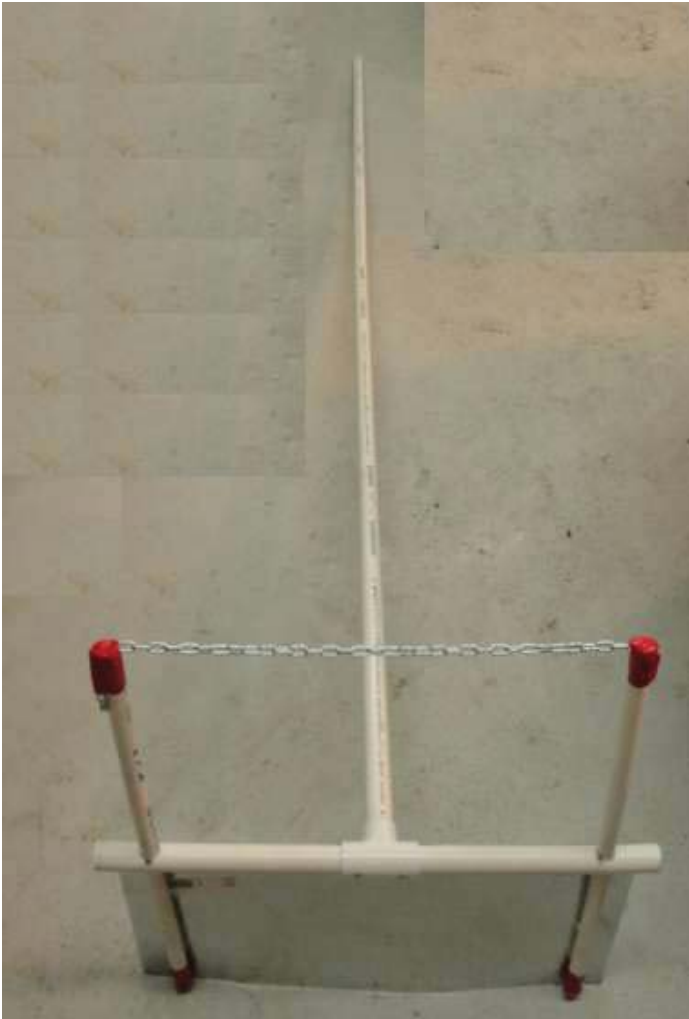


Easily remove snow from your roof.

After receiving over 50 inches of snow this winter and you are like me you went to the local hardware store to find a snow rake for the roof. Only to be told they are sold out.

Well necessity being the mother of invention forced me to make my own. So here is my first attempt at an instructable.

Parts list and cost file attached below.



File Downloads



Snow Ripper Parts And Cost.pdf (81 KB)

[NOTE: When saving, if you see .tmp as the file ext, rename it to 'Snow Ripper Parts And Cost.pdf']

step 1: Step 1

Cut two 12" pipes using the Schedule 40, 1 in. x 10 ft. PVC.
At the left side I marked each pipe with a 12.



step 2: Step 2

Cut two 25" pipes using the Schedule 40, 1/2 in. x 10 ft. PVC.
I marked each pipe with a 12, 13 and 25 inch marking.

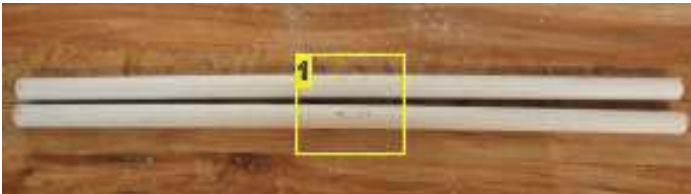


Image Notes

1. Mark the 12 and 13 inch measurement for use later

step 3: Step 3

Take a rubber mallet and bang in both 12" pipes into each end of the tee. On the back side of the tee place a screw to hold each 12" PVC pipe in place.

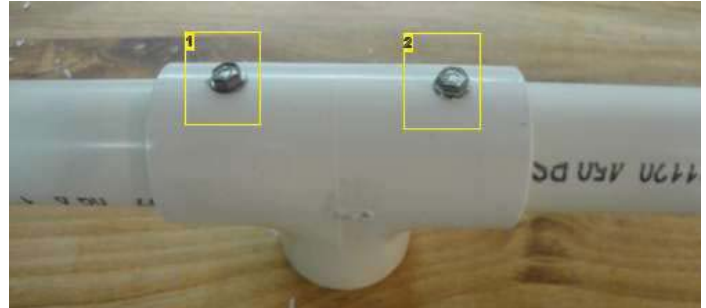


Image Notes

1. Screw here to hold together
2. Screw here to hold together

step 4: Step 4

Measure in 2 1/2" from each end on the main header.



step 5: Step 5

Drill a 7/8" hole through the top to the bottom with a hole saw. Set the header on two spare 2x4's to allow easier drilling. Note: Do not use a hole bit they make a mess and chew up the PVC pipe.



Image Notes

1. Use a hole saw not a hole bit. Hole bits make a mess and chew up the PVC pipe.



step 6: Step 6

Slide the 25" x 1/2" PVC pipes through the header to the 12" mark. Screw in a hex head screw at the 12" mark. This allows the post to stop at 12".



Image Notes

1. Place screw at the 12 inch mark



step 7: Step 7

Duct tape the ends of the 1/2 inch PVC pipes to keep snow out of the ends.



step 8: Step 8

Take the sheet metal and cut out a notch according to the photo and screw into the 1" header and 1/2" support pipes using 10 screws. Measure from the right 11 1/8 inches and to 12 7/8 inches. Mark these measurements. Measure 1 inch in as seen in the photo. Cut with sheet metal shears the two line. Bend the cut piece to 90 degrees.

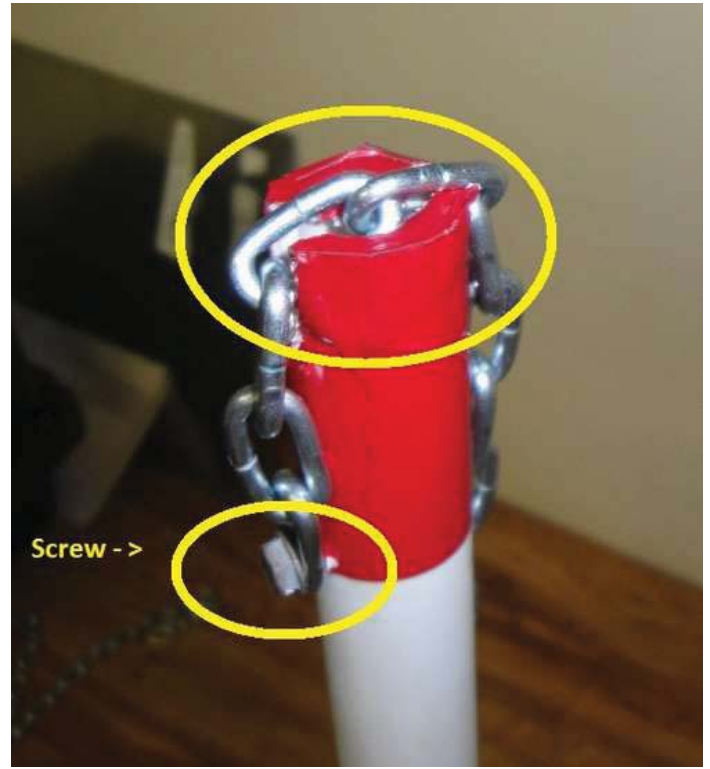




step 9: Step 9

Take a hack saw to the other end of the 1/2" pipe and notch out a "V" grove to each post. Insert the chain across each V Grove and screw into each side as shown in the photo.

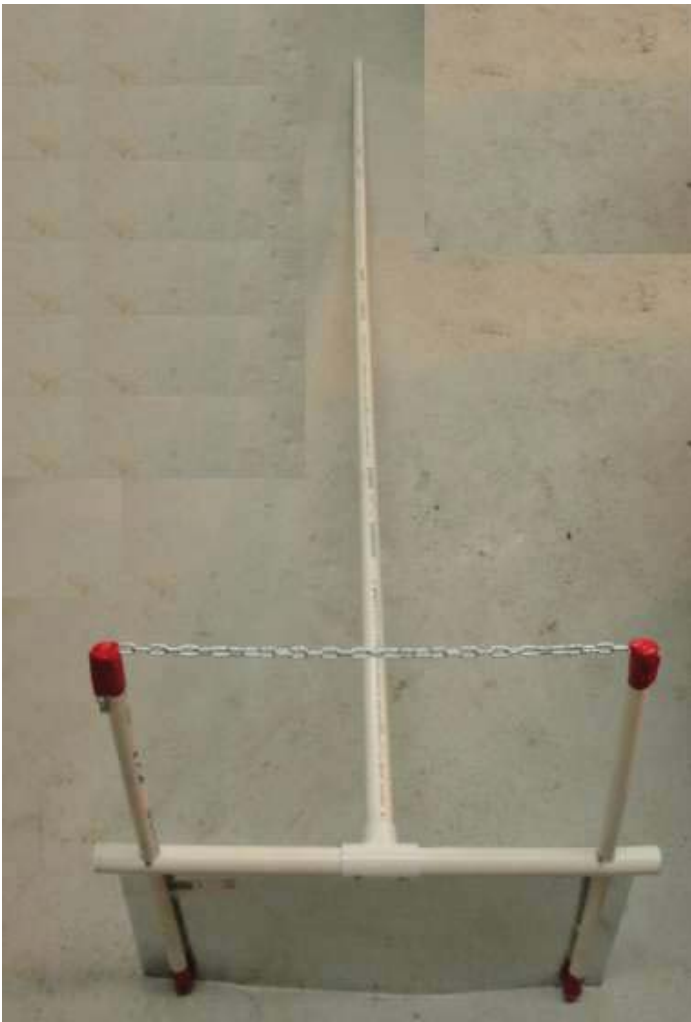




step 10: Step 10

Add a Schedule 40, 1 in. x 10 ft. PVC pole into the tee and screw the pole into the handle. Duct tape the chain ends.

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step 11: Snow Ripper II - The Upgrade - For \$20.00 More

Hi All,

I had a few comments about the pole so here I am trying to address them.
Some thought the pole might be too flexible.

As you know our hardware stores are running out of shovels, snow rakes, speedy melt, and anything used for snow removal.

With this economy I am still trying to keep a functional tool as well as cost effective.

So off to find a sturdier / lightweight pole.

I came up with a painter extension pole \$17.97. Problem is I could not find a nut large enough to fit the thread at the end of the pole. So I bought a small roller handle for \$1.97.

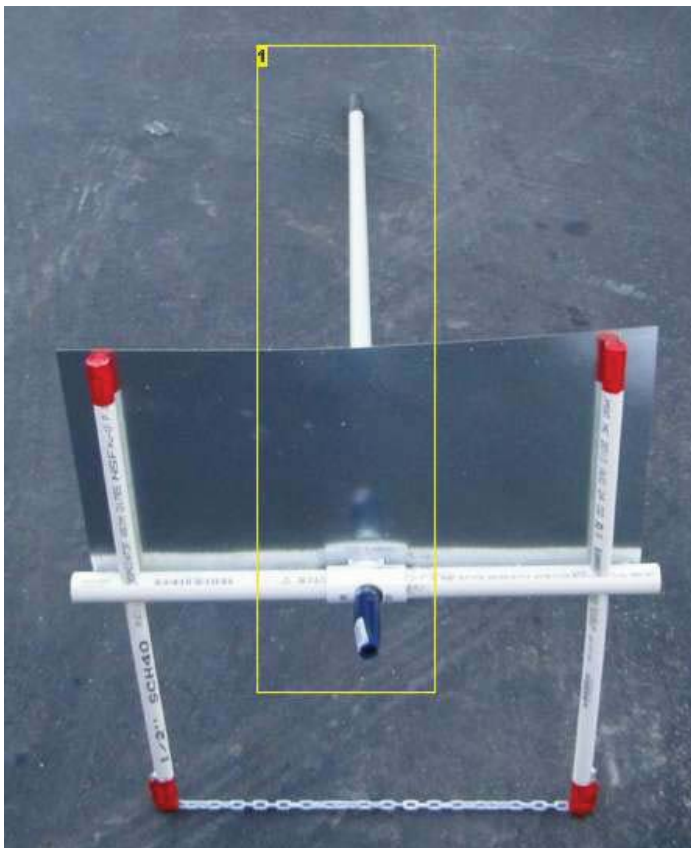


Image Notes

1. Fully Assembled - Not Extended Pole

step 12: Step 11

Remove the 10 foot PVC Pole and place the Snow Ripper head on the table with the top of the tee facing up. Mark the center of the tee and drill a 7/8 hole in the middle as shown below. This will allow the painters pole to be attached to the Snow Ripper head.

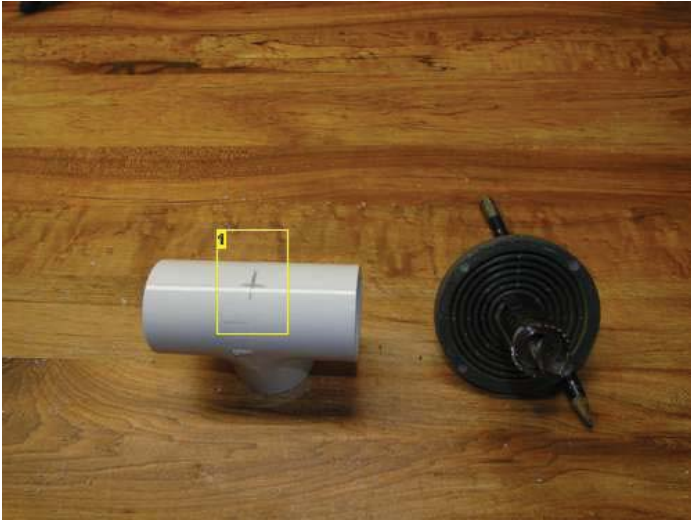


Image Notes

1. Mark your center and drill 7/8 hole

step 13: Step 12

Take your paint roller and cut off the metal portion using a hack saw that holds the roller on as seen in the photo.



Image Notes

1. Cut here using a hack saw

Image Notes

1. Cut using a hack saw

step 14: Step 13

Slide the extension pole through the hole of the Snow Ripper head and screw on the roller handle to lock the head in place as seen below. You can use a washer if you have one.



Image Notes

1. Screw on the roller handle to secure the Snow Ripper head.

step 15: Step 14

You are now ready to use your Snow Ripper II with a sturdier pole. 8' to 16' in length.

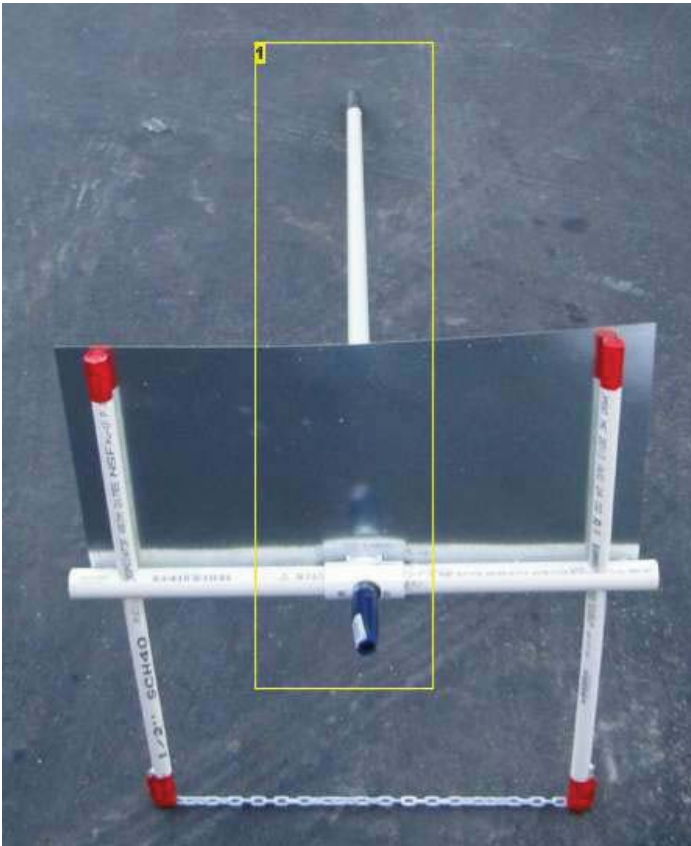
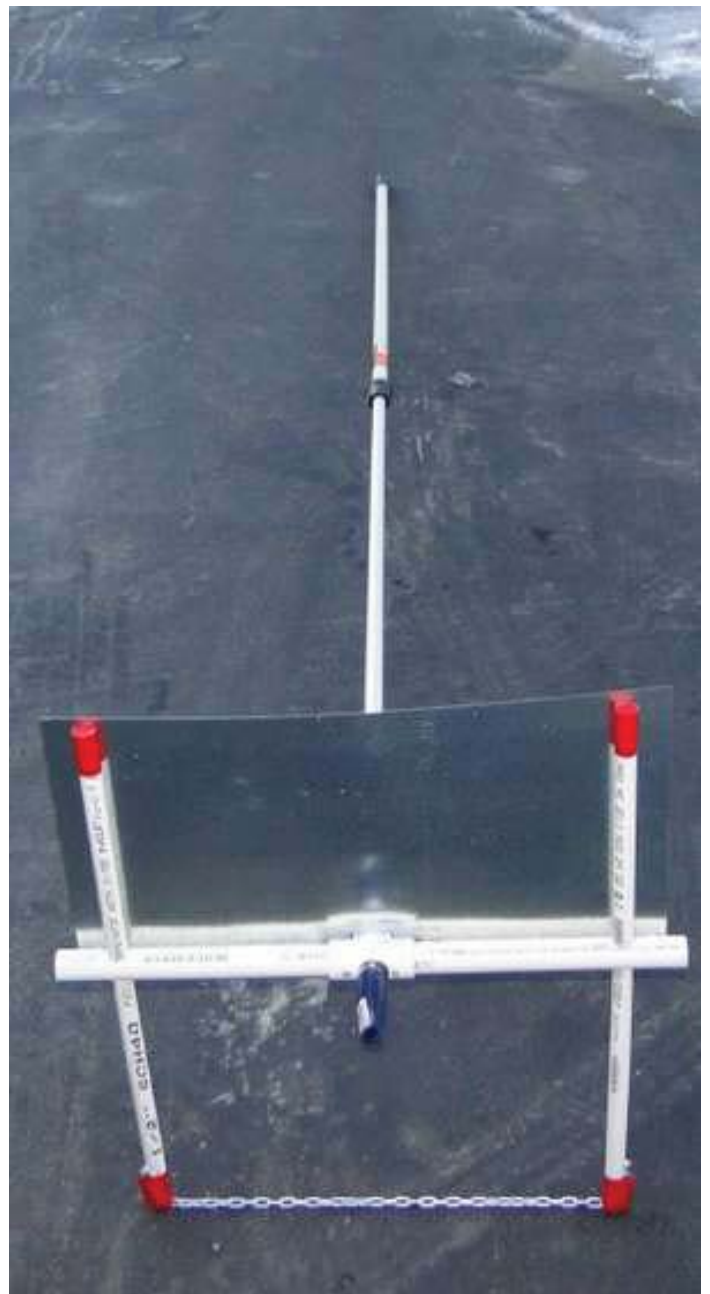
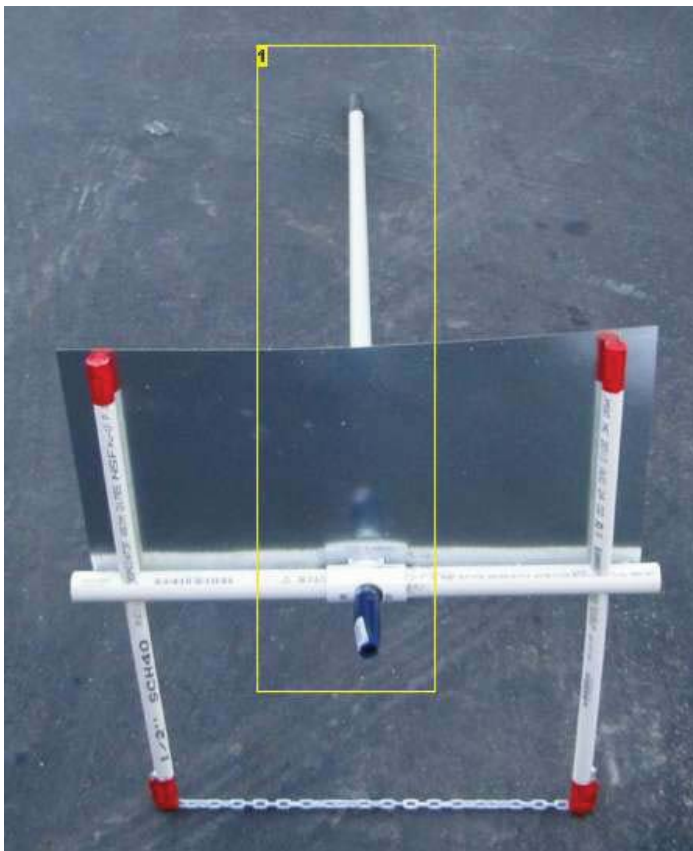
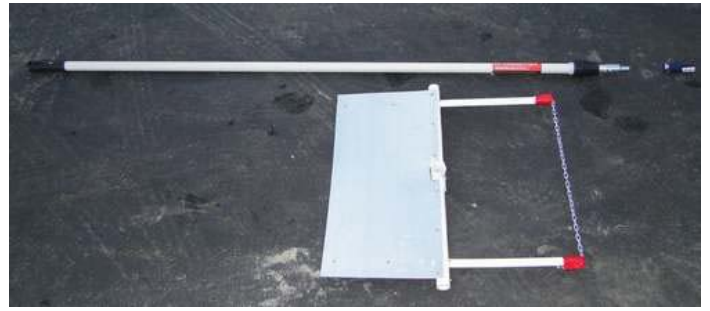


Image Notes

1. Fully Assembled - Not Extended Pole





step 16: Videos Page

Snow Ripper - Ripped The Shed



CLICK TO PLAY VIDEO 

Snow Ripper - Ripped The Office - 2

<http://www.instructables.com/id/The-Snow-Ripper-Rip-snow-from-your-roof-in-minut/>



Snow Ripper - Ripped The Office - 3



The Snow Ripper

