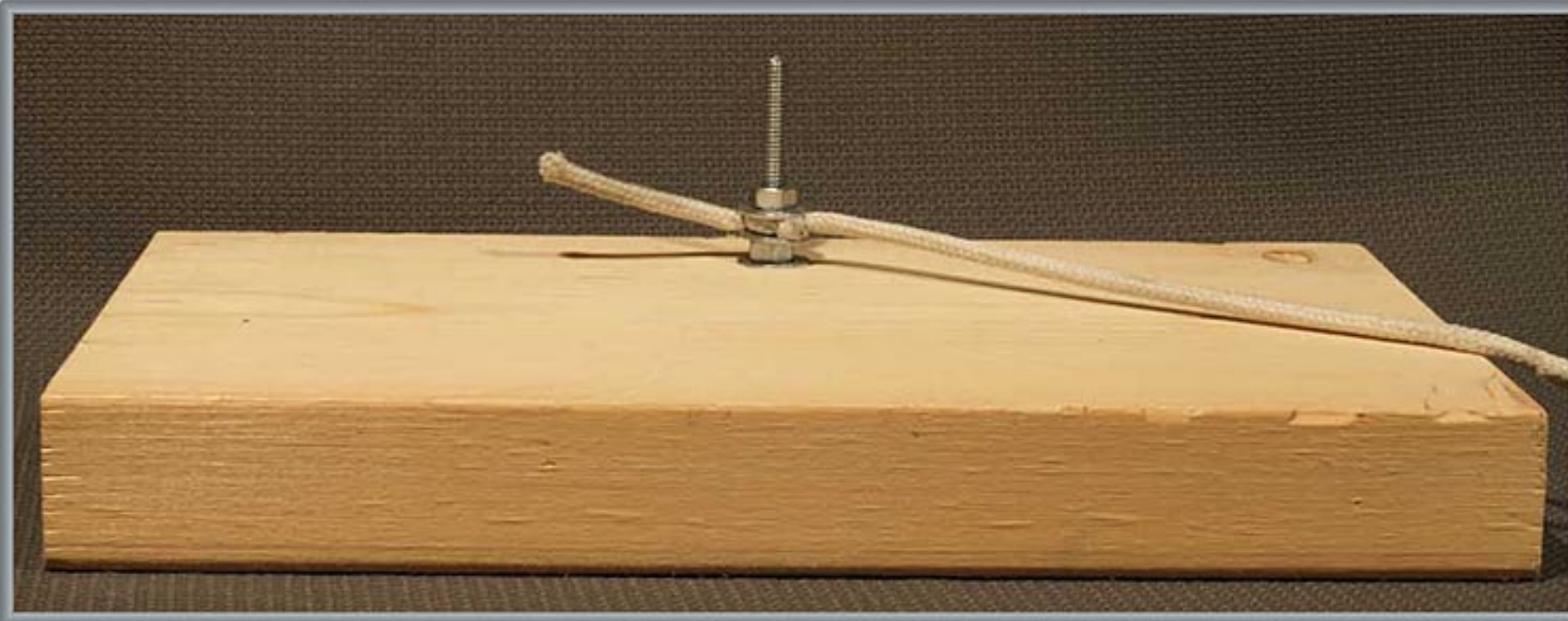


# Installation of a kit for an ice/ground level elliptical skating rink



1



2

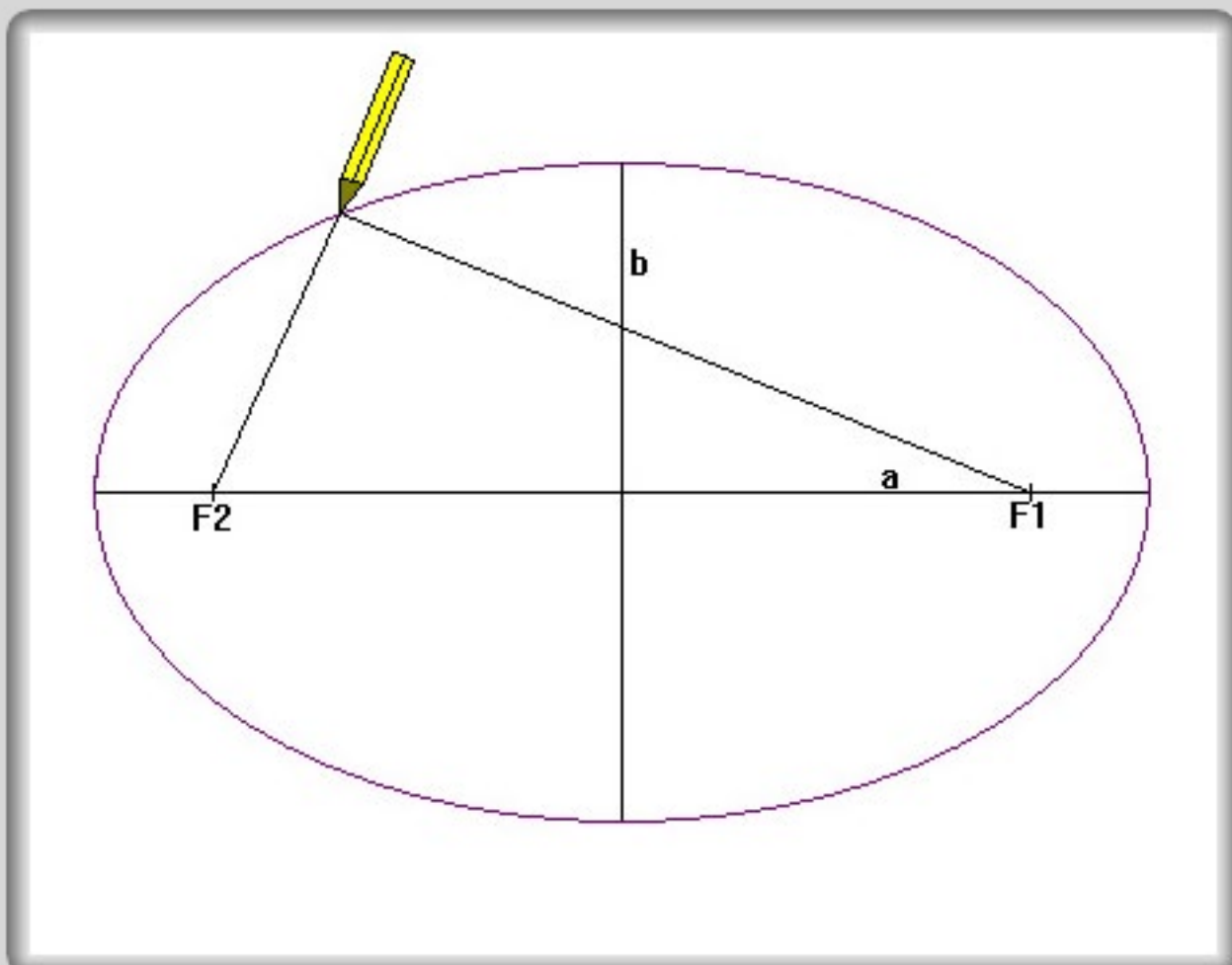


3



5

You can make two rope supports as in image 1, tie the rope as in image 2, add a weight as in image 3. Instead of using a pencil to draw/mark the ellipse as in image 4 you can draw the line with something like image 5. Image 4 is part of the file "Draw an ellipse using string and 2 pins". You might want to practice drawing a large ellipse in an empty parking lot or field, because drawing ellipses that size can be a bit tricky.



4





Above: Before you acquire a pipe, make sure that the puck is above the centre of the tube. To be decided according to the amount of ice produced.

To the right and below: An example of a 300' bundle and unwind in order to simplify the anchorage of the ellipse. Whether you chose a blue or a black pipe, you can experience and invent a puck whose color will be easily seen next to the pipe. The profits will hopefully be used for research.







You might want to experiment with a black polyethylene, it seems to be less flexible than the blue. Being more rigid, It will require less time to anchor it down and to obtain a continuous curve close to a regular ellipse, making less holes for the anchorage. Make sure that it will tolerate the temperature.

For cleaning next to the pipe, you can customize a snow scraper like in this example and add some rubber or other material to protect the polyethylene.



To the right and below: Outdoor examples.



Anchors like steel bars (covered) / long nails or screws... = black dots



Once you found an open flat space:

Field:

Draw your ellipse, flatten the field, make your ice, readjust the linear drawing, set the pipe down and anchor it.



Frozen pond or lake:

Draw your ellipse, remove the snow from the ice, readjust the linear drawing, set the pipe down and anchor it.





Attempt to draw an ellipse with snowshoes, 2011

Giguère © all rights reserved

5

