

# Storm Boots Instructions



## Materials:

- Felted wool
- Button thread
- Needle
- Plasti Dip (available at most hardware stores)
- Old paintbrush
- Strong velcro
- Lightweights for Clothing and Gear (reflective material)

**Instructions:** This will make one boot. The inseam allowance is 0.5 cm. For a golden retriever, a 100 cm x 20 cm piece of felt made four boots.

1. Measure your dog's foot's width (W) and length (L), up the ankle (A), height of heel (H), circumference around ankle (C), and trace around the foot(T). See attached diagrams for examples.

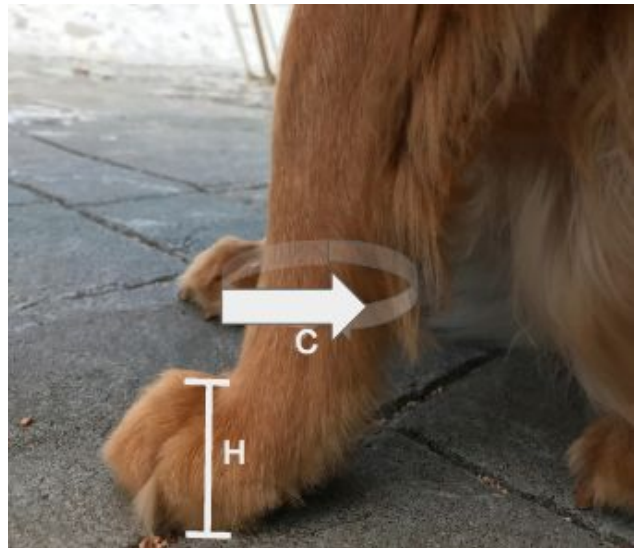
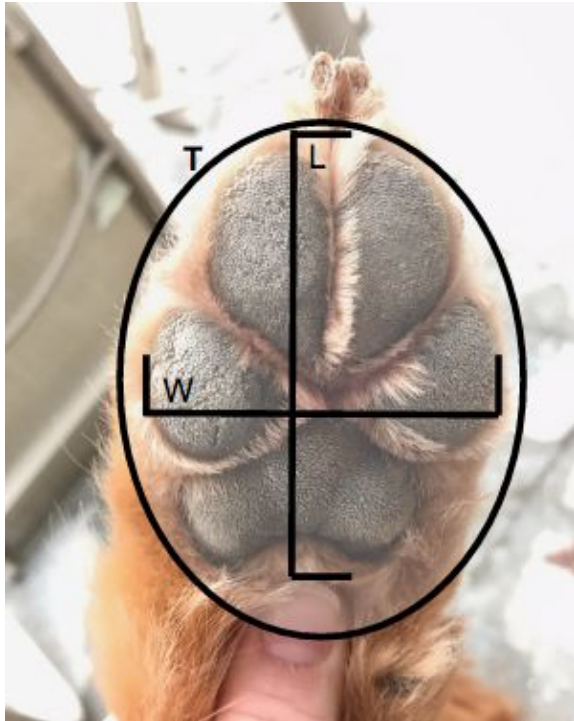
These measurements will be used throughout the process, so be sure that you are measuring accurately. If the measurements are not accurate, the boots will not fit.

2. For bottom piece; (Don't erase any of your marks!)
  - a. The tracing of the dog's foot (T) will tell you the general shape of your dog's paw. If your dog is too squirmy to get a good tracing, you can make the boots without it.
  - b. To start your pattern put a dot in the upper third of the piece of paper as your starting point. If you have a large dog, you may need a large piece of paper or tape two pieces of paper together.
  - c. Make a mark  $1/2$  length (L) of your dog's paw above and below that dot. Label bottom dot point L. Label the top point, point T. The points are marked and circled on diagram included.
  - d. Make another mark  $1/2$  width (W) of your dog's paw from the starting dot from the left and right of it. Label the points point W1 and point W2.
  - e. Using the dog's paw tracing, connect the four dots on paper in the general shape of the tracing. There are examples included in Figure 1. If you couldn't get a tracing of your dog's paw, connect the four dots while making a circle or oval.
  - f. Add a mark that is the height of the heel (H) straight down from the bottom dot. Label this dot point H.
  - g. Add a dot that is the height of the ankle (A) straight down from point H. Label that dot point A.
  - h. Draw a line connecting point L to point A, while going through point H.
  - i. At point H, draw a line perpendicular to the line connecting point L and point A that is the length of the circumference of the dog's ankle (C) so that point H is the midpoint of this line. Make a dot at each end of the line and label them point C1 and point C2.
  - j. At point A, draw a line perpendicular to the line connecting point L and point A that is the length of the circumference of the dog's ankle (C) so that point A is the

midpoint of this line. Make a dot at each end of the line and label them point B1 and point B2.

- k. Connect point C1 to point B1. Connect point C2 to point B2. This should form rectangle.
  - l. Draw a line straight down from point W1 to the line connecting point C1 to point C2 that is parallel to the line connecting point L and point A. Draw a line from point W2 that is also parallel to the line connecting point L and point A.
  - m. Reference Figure 2 for placement of points S and X.
  - n. Make a mark  $\frac{1}{4}$  the height of the heel (H) straight up from point T.
  - o. Make a mark  $\frac{1}{2}$  of the heel (H) straight out from point W1. Make a mark  $\frac{1}{2}$  of the heel (H) straight out from point W2.
  - p. Make a mark  $\frac{3}{4}$  the height of the heel (H) straight out from point S. Make a mark  $\frac{3}{4}$  the height of the heel (H) straight out from point X.
  - q. Connect the marks you made forming a curve following the general shape of previously drawn figure. It may be helpful to look at the included Figure 2 during this step to see the shape.
  - r. From point S measure 90 degree angle and make a mark. See Figure 2. Connect point S and this mark extending it to the outermost line of the pattern. Do the same thing at point X.
  - s. Cut out along bolded lines shown in Figure 2.
3. For top piece;
    - a. Reference your pattern and trace the area shown with a dotted line on included Figure 2. It may be helpful to hold both pieces of paper up to a light source to see through the top piece of paper better.
    - b. Cut out this tracing.
  4. Take the outlines and trace them onto your preferred material, and then cut them out.
  5. Put 5 dots along each pattern. Refer to template for placement.
  6. Sew dot 1 to 1, 2 to 2, and so on. Sew section in between dots making sure to sew tightly to ensure there are no holes.
  7. Refer to Figure 3 and sew the edge marked with a zigzag line to the zigzag line.
  8. Flip1 boot so seems are on the inside
  9. Paint the bottom of the boot in plasti dip. Use an old paintbrush because it will be ruined.
  10. Cut two or three strips of velcro  $1 \frac{1}{2}$  times the circumference of the ankle. For smaller dogs only two may fit while for bigger dogs three may be necessary.
  11. Place the sticky side on the fabric so that it will wrap around the dog's ankle.
  12. We used Lightweights for Clothing and Gear which is reflective material that you can stick to fabric. We placed a small piece of reflective material on each side of each boot so that dogs will easily be seen at night. We bought this from REI.
  13. Put the boots on your dog and go for a walk!

Measurements:



Attached Diagrams:

Figure 1

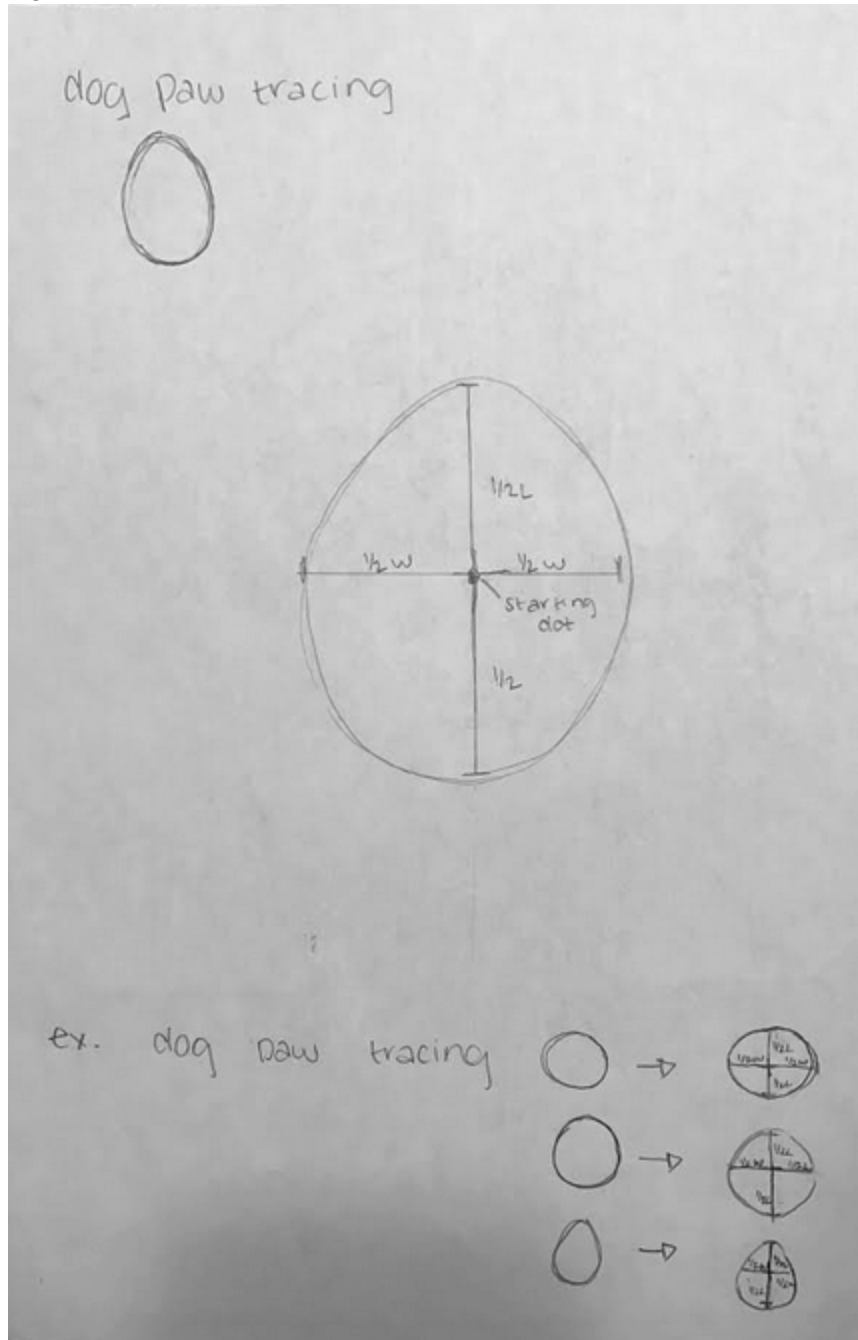


Figure 2

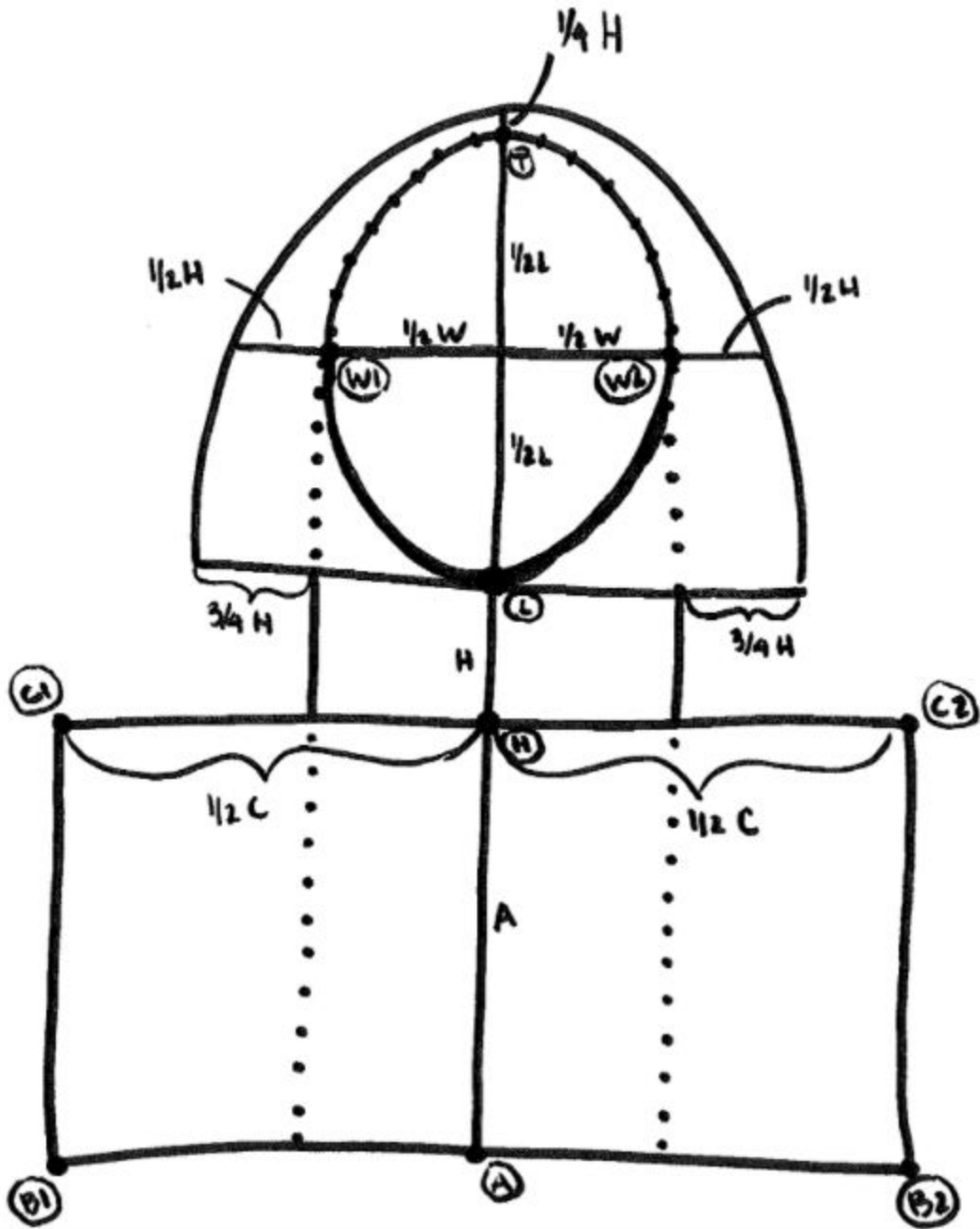


Figure 3

