44.75

0.576

1.92

63.95

55.37

63.94

44.75

Ring

This ring is arbitrary. size
Just a support for the spokes

Flatten ends.

Bind ends with
copper wire & solder.

At the join use solid copper wire stripped
from ethernet cable to attach. ~~the~~
by tightly looping then twist the ends.
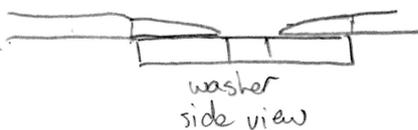
washer
side view

At the washer ~~hapt~~ hammer the
ends of the gal. wire to flatten them
& make them ~~esier~~ easier to solder. to the
washer.

When soldering to gal. steel, sand the galvinisation
to clean it then use liberal flux & a lot of heat >100w.

0.5cm

Flatten one end with hammer then bend with pliers.

64cm

(Hook) — just bend with pliers for the bottom ring to sit on,

~0.75cm
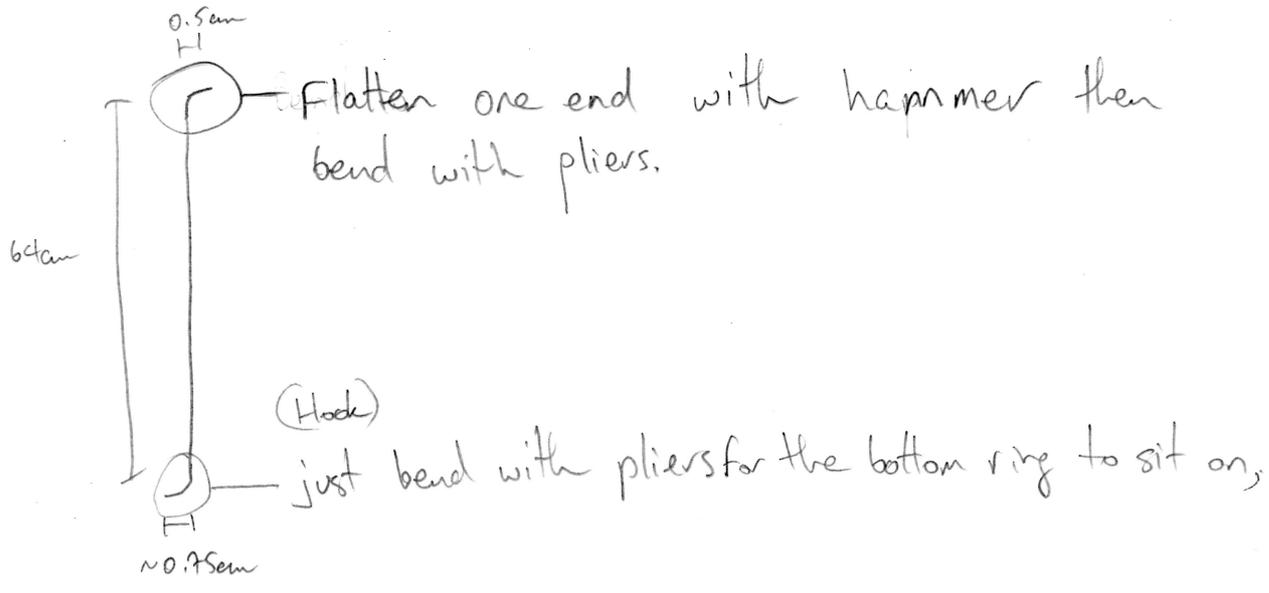
- Cut & prepare 8 lengths
- Make the 201 cm perimeter ring.

The bottom & ring has a perimeter of 201 cm.
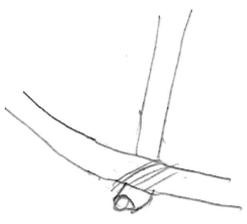
- Equally space each spoke on the ring & rest the ring on the hook & bind with copper wire. Don't solder yet.
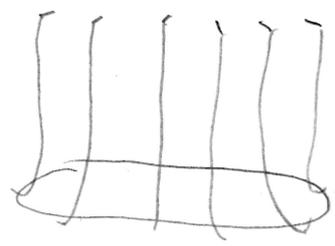
- The ring & 8 spokes should be attached at the bottom.

- Bring opposite pairs of spokes to the centre washer & attach.

- To attach the spokes use copper ethernet wire soldered to the top of the washer & wrap around each spoke tightly. Solder the wrapped ethernet wire to the spoke. You can try to solder the spoke to the washer but it's not robust. The wire & method is ok & flexible but firm.

Attach & wrap/bind TIGHTLY with copper wire
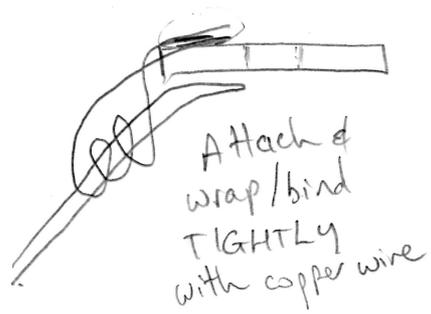
- With a saw & a drill bit to route the slot cut 8 slots into the PVC. They must be deep enough so when the cone is inserted the top of the cone is flush with the pipe.

← Top of cone (washer)

← pipe wall

← cone

PVC pipe

Disc

~0.5"

← CAP
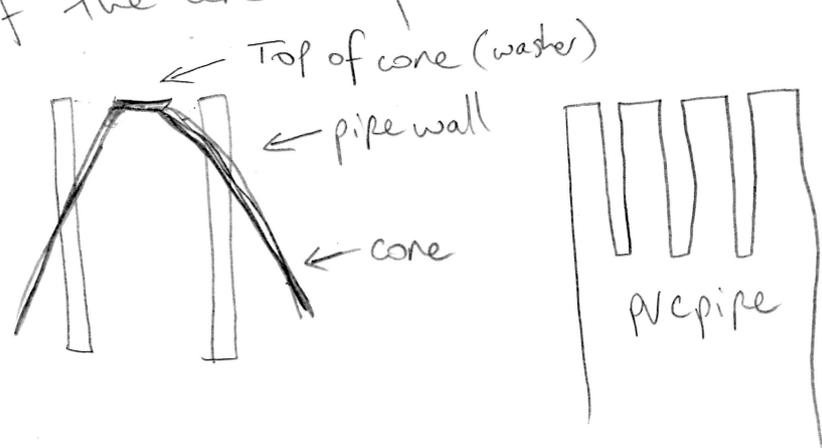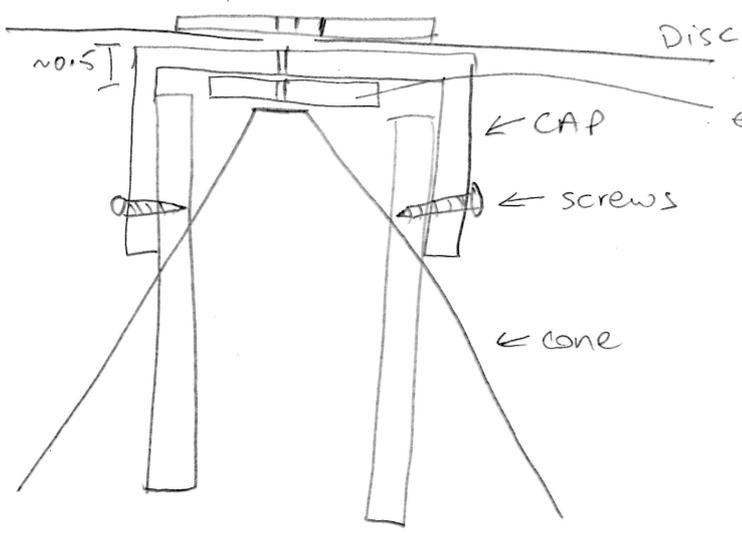
extra spacer I used is masonite.

← screws

← cone
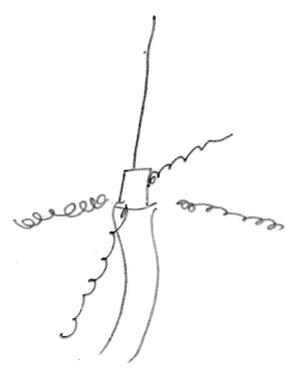
Pull back ~2 inches of braid & make 4 'tufts'. Braid is aluminium & won't solder.
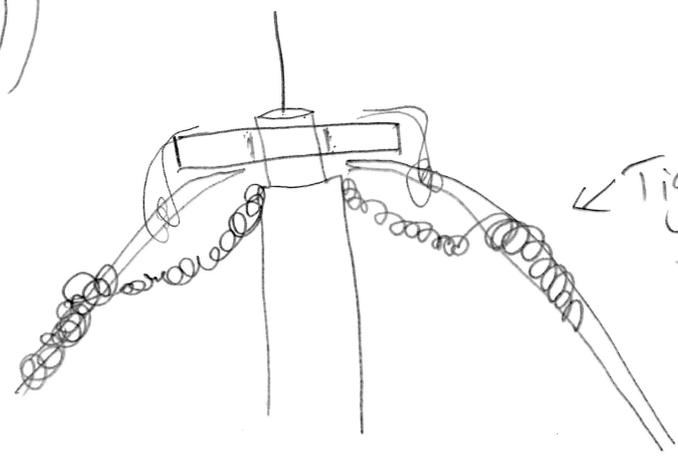
← Tightly wrap tufts around the spokes & bind as tight as you can with copper wire.

← solder centre wire to washer