Disc

Flatten ends.
Bind ends with copper wire & solder.

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

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

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

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

130cm lower fringe.
44.75
0.576
1.92
65.95
55.37

63.94
44.75

washer side view
- Flatten one end with hammer then bend with pliers.

- (Hook) just bend with pliers for the bottom ring to sit on.

- Cut & prepare 8 lengths
- Make the 20cm 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 of 8 spokes should be attached at the bottom.

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

- To attach the spokes use copper ethernet wire soldered to the top of the washer and 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.

- 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.
Assembly

The extra spacer I used is masonite.

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.