

## Background

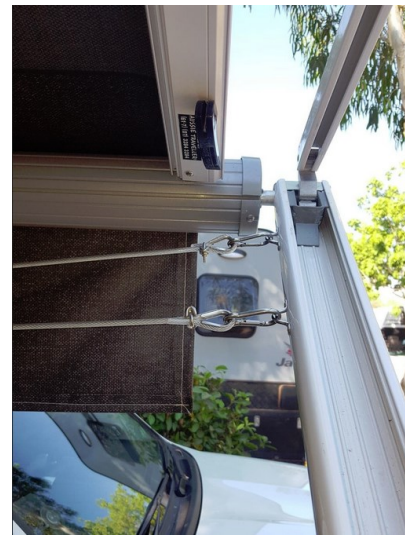
We had one of those fold-up type of clothes lines and nearly every time we used it the wind would send it crashing over onto the ground. We needed a better and simpler solution.

We refuse to tie rope to trees and other objects so we came up with the idea of a removable clothes line which can be clipped onto our caravan's awning arms.

## How it works

Pretty simple actually. All the parts were purchased from our local Bunnings; a parts list is attached with links to the Bunnings website (*well, they were there when this document was created* 😊)

**NOTE:** All fittings are either marine grade stainless steel or aluminium (rivets). The wire rope is galvanised BUT plastic coated. Stainless steel rope can be used (*but we like the plastic coated wire as your don't get your hair caught in it as you walk under the wire*).



*Left and right ends clip onto the "D-clips" on awning arms*

**NOTE:** The left image above is outdated. Since photo was taken the LH end of both clothes lines have had adjustable hook & eye turnbuckles added (instead of the snap hooks). A new photo will be added at a later date - when we're back on the road and using the clothes line. The assembly instructions have in this document have been updated accordingly.

## Tools needed

- Rule & marker pen/pencil
- Centre Punch & hammer
- Power Drill & drill bit to suit size of pop rivets
- Spanner/Shifter for nuts on wire clamps
- Wire cutters for wire rope
- Pop rivet gun
- **Patience & perseverance!** 😊

## Assembly

### Right Awning Arm

1. Decide where the position for the eye strap on the awning arm should be and mark the holes for fixing.
2. **Punch and drill the 2 x 1/8" holes for the rivets**  
**NOTE:** Drilling into the awning arm shouldn't affect the awning's functionality
3. Affix the eye strap onto awning arm using the 1/8" rivets
4. Fit the end of the PVC coated galvanised wire rope to a rope thimble and clamp it onto the wire using a wire rope grip.  
**TIP:** try to get the wire rope grip as close to the open end of the rope thimble to ensure it's a tight fit
5. Fit a snap hook through the rope thimble and click it onto the installed eye strap on the awning arm.



### Left Awning Arm

1. The position of the eye strap should be the same as on the right awning arm, so repeat steps 1 to 3 above
2. Wind out the ends of the turnbuckle about 1/2 way and insert the hook and eye turnbuckle into the rope thimble
3. Hook the turnbuckle onto the eye strap (on left awning arm)
4. Thread the PVC coated galvanised wire rope the rope thimble and pull it tight and clamp it onto the wire using a wire rope grip.
5. Double check that the line is still fairly taut and then tighten the nuts on both of the wire rope grips.
6. Check that the turnbuckle can be unwound enough to allow its removal.  
**NOTE:** This is important as you will need to be able to take the clothes line on & off.
7. If needed, make adjustments to the PVC coated galvanised wire rope length to
8. Trim excess wire rope with wire cutters.



### Removing the clothes line

Simply loosen the turn buckle and take off from the eye strap on left awning arm and unclip the snap hook from the eye strap on right awning arm.

### Want two clothes lines?







Repeat the above steps spacing the 2<sup>nd</sup> line about 150mm below the 1<sup>st</sup> line.

**TIP:** If you stand your awning arms up (vertically - not connected to the caravan) the clothes lines will be in-line with each other!

## Parts

**NOTE:** The parts below are for **one clothesline** which fits our 6 metre awning.  
Double it for 2 lines

**Warning:** Prices & links are from Bunnings as at **May 2020**.  
The actual product makers may have changed.  
The prices & weblinks may have changed (may not work)!

No	Item description	Cost (per item)	Image
1	<a href="#">Zenith 5 x 50mm Stainless Steel Snap Hook - 2 Pack</a>	\$ 5.93	
1	<a href="#">Zenith 4mm Stainless Steel Rope Thimble - 2 Pack</a>	\$ 3.34	
1	<a href="#">Zenith 4mm Stainless Steel Wire Rope Grip - 2 Pack</a>	\$ 6.99	
1	<a href="#">Pinnacle 4mm Stainless Steel Wire Eye Strap - 4 Pack</a>	\$ 3.20	
1	<a href="#">Pinnacle galvanised wire rope PVC coated 3mm x 10 m</a>	\$ 7.51	
1	<a href="#">Zenith 5mm Hook and Eye Turnbuckle</a>	\$3.77	
4	Aluminium Rivets		
<b>Total</b>		<b>\$ 30.74</b>	