

November 17, 2018

RE: Mashing Cage:

Attached are the details of a prototype cage I made for my Brewie + to improve efficiency. The cage works well for my application but is not necessarily for everyone. The Brewie team have identified many tips that will help improve efficiency with your Brewie and their official guidance can be found on the Brewie web site.



This document contains only a method that I have used that helps me improve efficiency and has not been approved by the Brewie team. It is a prototype only. I make no guarantees on the design or performance of this method Use at your own discretion.

I am providing this information only to promote discussion on how to make the Brewie experience even better.

Good Luck!

GAR

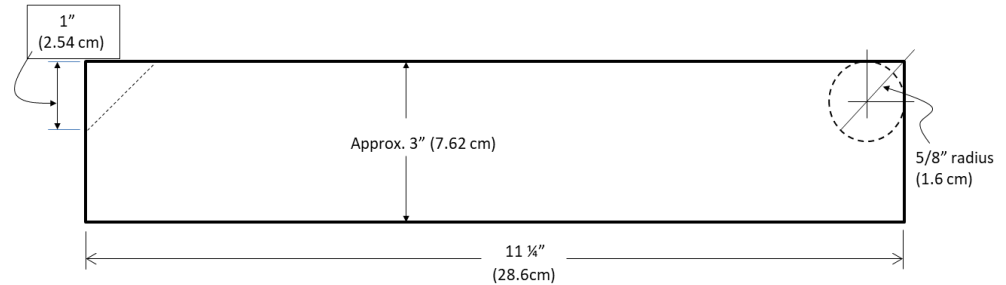
Tools Required:

"C" Clamp or quick release clamp	
Hack saw (metal saw)	
Drill and bits	
Metal flat file	
Hand rivet set	
Ruler	
Pencil	
(Optional) Propane Gas Torch	

I used a scrap piece of 2 X 3 wood to make a jig but a 1 X 3 would probably work as well.



Cut to the dimensions below:

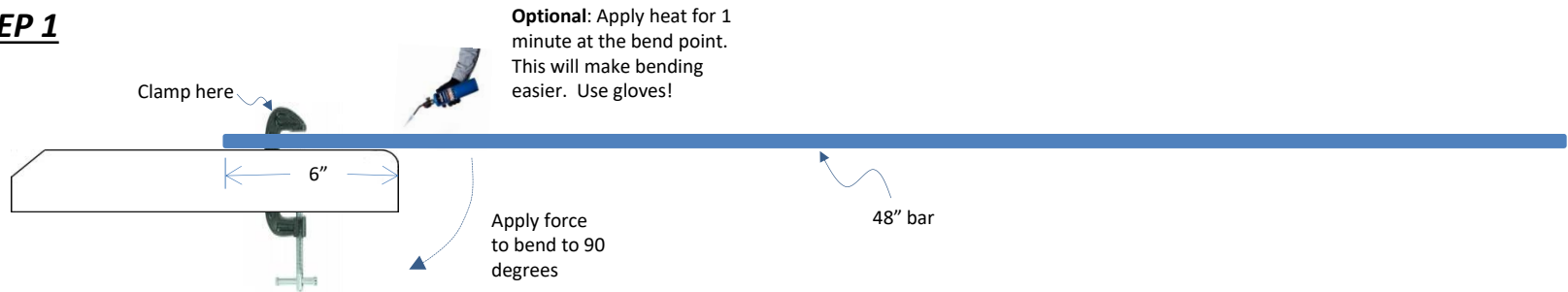


Materials Required:

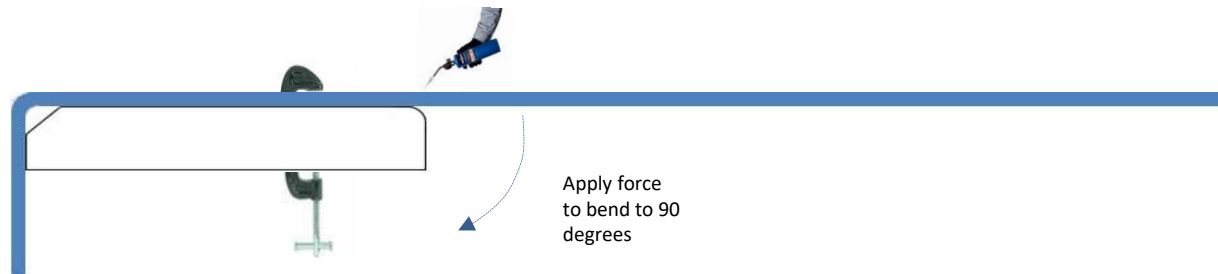
Qty	Description
2	3/4 in. x 48 in. Aluminum Flat Bar with 1/8 in. Thick
1	3/4 in. x 36 in. Aluminum Flat Bar with 1/8 in. Thick
20	1/2 in rivet

Note: I used 1" bar for the two loops but I believe 3/4" would be easier to bend and still plenty strong.

STEP 1



STEP 2



STEP 3

- Repeat Step 2 until the loop is complete.
- Use a metal saw to cut off the bar so the total length is equal to the opposite side.
- File the cut edges.
- There will be several inches of bar left from the cut off that can be used as a splice to rivet the loop together.
- Repeat the process again to make a second identical loop.

STEP 4

- Cut eight 4" pieces from the 36" bar.
- File the ends of the cut pieces to remove burs.
- Rivet the bars to the inside of the two loops. (see pictures) NOTE: I used 1" bar on my prototype so I used 4 rivets to splice. With the $\frac{3}{4}$ " bar I think only 2 rivets are required.
- Be sure to remove all burs from the metal edges.
- Wash the completed assembly well before use.



Completed unit



How to use

- Slide the assembly into a Brewie bag with zipper facing up.
- Slide the bag into the mash tank.
- Carefully pour grains into bag and zip.



Note:

I prefer to stir my grains. I stir after the mash water is moved from the boil tank to the mash tank and shortly after the mash temperature reaches target. I have not tried using the cage without stirring .