

Name : \_\_\_\_\_

Date : \_\_\_\_\_

## BBQ FLIPPER ASSIGNMENT

### Objective:

-To create a BBQ Flipper used for serving or cooking

### Required Materials:

- One piece of 1" X 14" 14 Gauge Stainless Steel
- One piece of 4" X 6 3/4" 14 Gauge Stainless Steel
- Two Pieces of 1" X 6" X 3/16" Plywood (Plus Paint or Stain)
- Two 3/16" Machine Screws, Counter Sunk Heads
- Two 3/16" Nuts
- Two 3/16" Shank Tinnners Rivets (Or Blind/Pop Rivets) 5/16" Long – Aluminum



### Required Tools:

- Whitney Punch with a 3/16" and 11/16" die or Step Drill capable of 3/16" and 11/16"
- Files
- Sandpaper
- Vice
- Hammer
- Center Punch
- Pop Rivet Gun (if you choose to use Blind/Pop Rivets)
- 3/8" Letter Punches (For your initials)
- Ruler



**Procedure:**

1. Ask your instructor for: 1 handle piece, 1 flipper head piece.
2. Refer to the “dimensions page” of this handout. Layout all holes using a permanent marker, and a center punch.
3. Drill / Punch 4 holes in the handle piece, all 3/16” using a step drill or Whitney punch
4. Drill / Punch 5 11/16” holes in the center of the Flipper Head
5. Drill / Punch 2 3/16” holes in the end of the Flipper Head where the handle attaches. Check your work with your handle to ensure your holes line up!
6. Sharpen the edge of flipper piece using a file and sandpaper to help “get under” your BBQ’d goodies
8. Finish off your handle piece and flipper head with 400 sandpaper.
7. Using a vice, gently bend a 30\* angle in both the handle and flipper head piece on the line indicated on the “dimensions page.”
8. Ask your instructor for 2 rivets and join the handle piece to the flipper head
9. Ask your instructor for 2 pieces of 1” x 6” x 3/16” wood, and the required hardware to attach the wood to your flipper handle. Sand with 120 sandpaper.
10. After your wood pieces are attached to your flipper handle, gently dent /mushroom the threads on the bolts using a hammer to prevent loosening off.
11. Add a coat of stain / paint to your wooden pieces.
12. Using a set of letter punches, punch your initials in the wood pieces.
13. Hand in for marking!
14. Start Flippin’ some food on the BBQ!