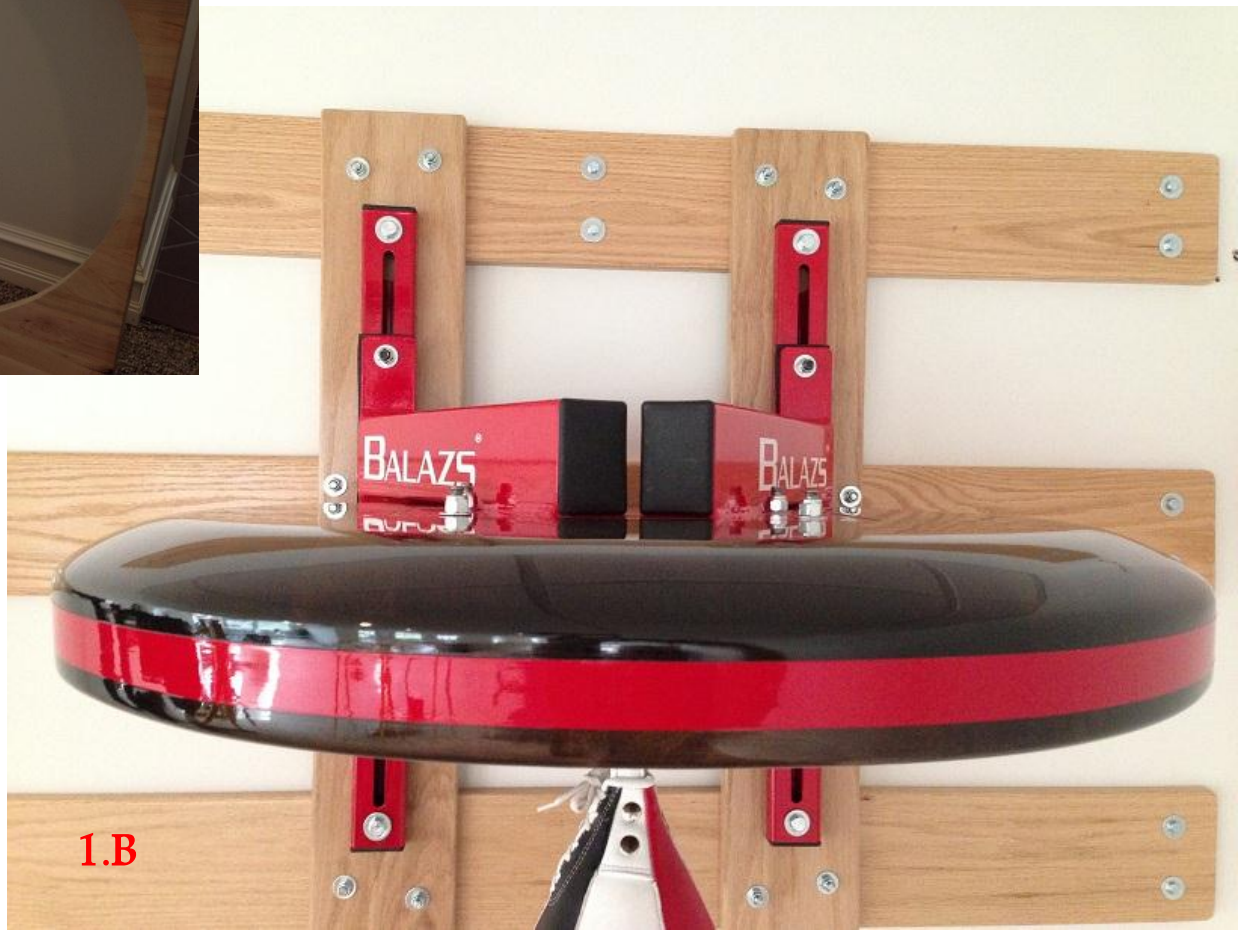
Cut out two 27 ½ inch circles form a 1¾ inch maple bench top (Picture 1.A). I used a bench top mainly to save time. Rotated cut circles 90 degrees to each other for added strength and epoxy together making a combined 3½ inch thick drum. Hand worked drum edge for kind of a flying saucer appearance. Everyone has square edges right... (Picture 1.B).



Inset the V-drum bracket plate into the top of the new maple drum (Picture 2.A). This allows for contact between the maple drum and the V-arms of the drum bracket all the way to the outboard edge of the maple drum. This also allows for two extra fasteners through the maple drum and into the hollow V-arms of the drum bracket for added support (Picture 2.B).

Inset and made a round sacrificial wood swivel plug in the bottom the new maple drum (Picture 3.A & 3.B). Multiple swivel pugs can be made to fit any swivel screw spacing. This is to prevent having to drill multiple screw holes in drum. The swivel plug is bolted through the maple drum to make changing easy and to keep screws form striping out due to numerous swivel changes (Picture 2.A). Swivel bases are also bolted through wood swivel plug (Picture 3.C).

To support the weight of the new maple drum I replaced the carriage bolts that secure the wall bracket and the V- drum bracket together with a step bolts. There is very little overlap between the head of the supplied carriage bolts and the adjustment slots in the wall brackets (Picture 4.A). Step bolts have twice the head diameter and therefore less chance for failure. In order to load the step blots into the wall mount brackets you have to cut mouse ears on the preexisting hole located on the back of the brackets (Picture 4.B). This makes room for the larger head of the step bolt to slide in.

Cut two pieces of 30 durometer neoprene and placed them between the wall bracket and the V- drum bracket. This serves to purposes – they aid in reducing vibration form being transferred to the wall and stop the V-drum bracket form scratching the wall bracket with repeated drum height adjustments (Picture 5.A).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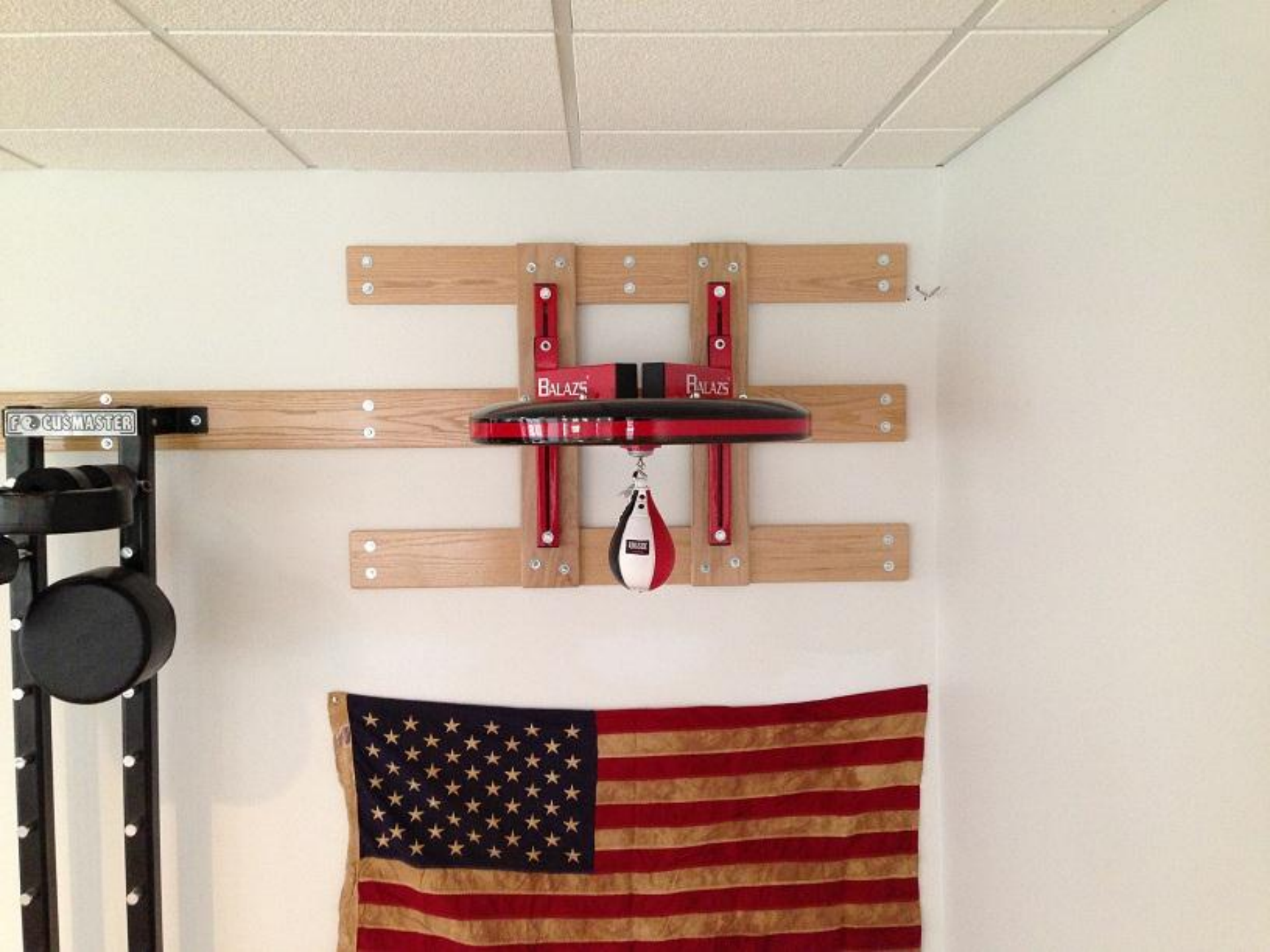
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