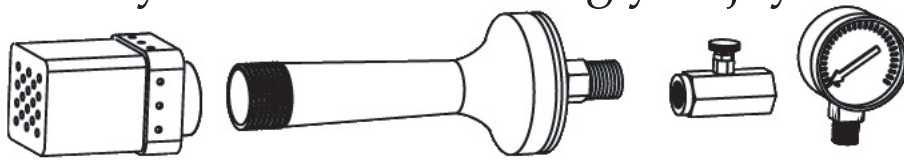


# Joppa Blog #4 revised

Make a new shop tool—  
your ideas will bring you joy.



Use a Mini-Square Burner Kits to make one of several  
great new shop tools. 2 Sizes: 2" Mini Square \$342.50  
2.5" Mini Square \$363.00

Many Uses for the Mini-Square Giberson Burners

## I. Glass Shop

### A. Miniature Melt Furnace

1. Solve technical formulary problems
2. Demonstrate the principles of glassmaking

### B. Gloryhole Designs

1. Make a 6" studio workhorse for making fancy parts
2. Make a 4-5" for specific production work
3. Small glory for end of gaffer's bench

### C. Annealing Kiln (portable, gas fired)

## II. Pottery

### A. Miniature Salt Kiln

### B. Miniature Gas Fired Kiln like 1 to 2 cubic feet

1. For Solving technical glaze problems
2. For specific production work like porcelain doll's heads, hands, etc.

## III. Foundry

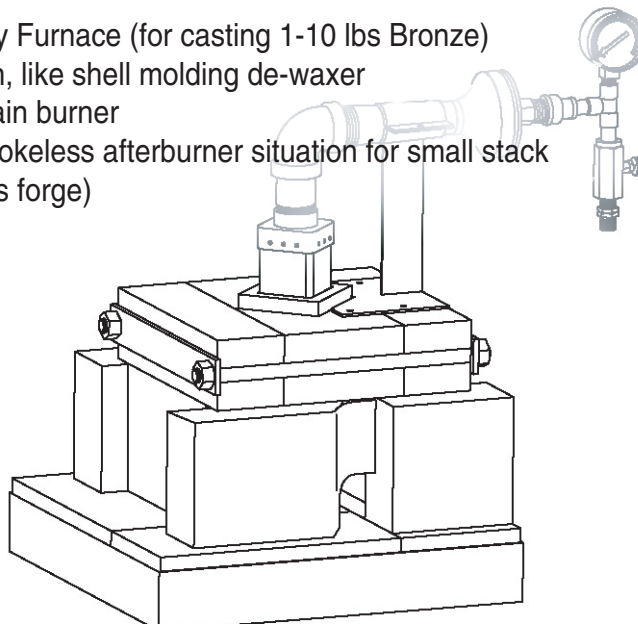
### A. Miniature Foundry Furnace (for casting 1-10 lbs Bronze)

### B. Small burnout kiln, like shell molding de-waxer

1. Used for Main burner
2. Used in Smokeless afterburner situation for small stack

## IV. Smithy (like in a small gas forge)

Link to the many  
things you can do  
with this Forge!  
And other Mini-  
Square Burners



[www.joppaglass.com/new\\_ideas/forge/sm\\_forge\\_const.html](http://www.joppaglass.com/new_ideas/forge/sm_forge_const.html)

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## Parts List to Make the Forge

1. A 2 " Mini--Square Giberson Burner Kit- gauge, needle valve, burner head, and Ransome V-100 venturi- \$342.50
2. You will need to purchase the pipe parts separately such as the elbow, connecting nipples, "T " and reducer coupling--maybe \$20.00
3. A 2 " Burner Block--\$30.00 from Joppa Glassworks
4. A dozen fire bricks like G-23s or G-26s (New or Used)
5. A metal tray -- could be just an angle iron frame
6. You will need 0-25 PSI Propane Supply-Regulator and Hose - Average price for online purchase max \$35.00
7. Propane tank for BBQ -\$75.00 with fill up.



Image of my grandson, Ayler, working at the forge, 2019. It is a fine experience for teens and adults. It is a real tool that does real work.

Over the day Ayler made a nice set of stone carving tools and a Snake.

