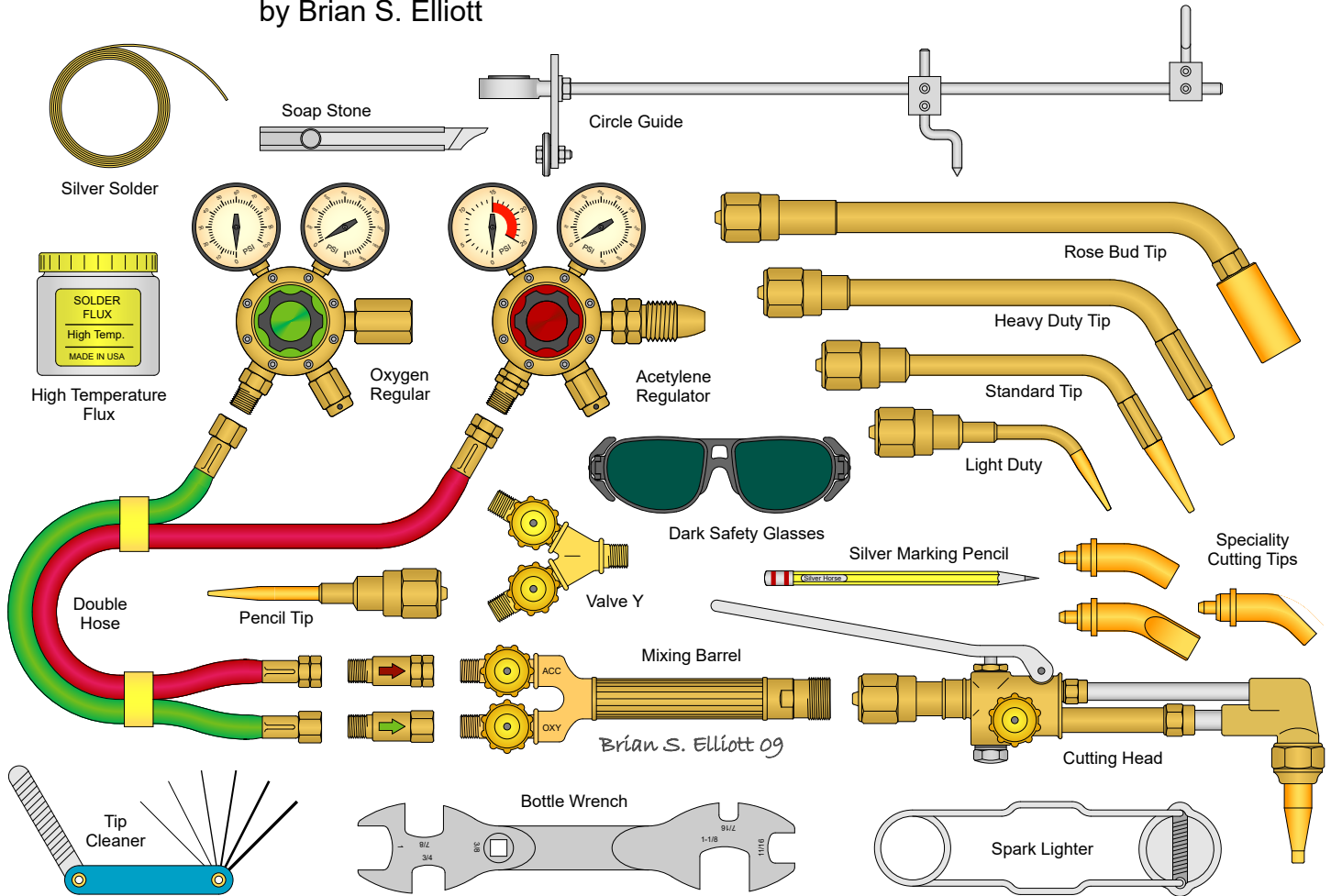


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Oxygen/Acetylene Welding & Cutting Equipment

by Brian S. Elliott



Oxygen and acetylene welding and cutting sets represent one of the foundational tool sets in the typical steel fabrication shop. Commonly referred to as “gas welders” or “cutting torches”, these sets are astoundingly versatile pieces of equipment. They can quickly cut through a 10” thick piece of steel plate and minutes later, be reconfigured to solder miniature instrumentation components. The impact that they have on metal fabrication industries is virtually incalculable.

The illustration above shows all of the pieces

that make up the typical oxygen/acetylene set. The mixing barrel serves as the handle of the torch. Various heating, welding, brazing and cutting heads can be readily interchanged. The mixing barrel is connected to a pair of gas regulators via a dual-colored hose. Other useful accessories include safety check valves, bottle wrenches, tip cleaners, spark lighters, markers, circle-cutting guides and dark safety glasses.

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