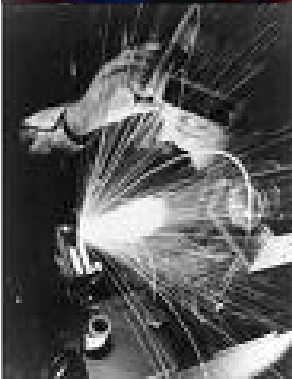


## Welding and Cutting Checklist

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### **Protective Measures:**

- Flame-resistant clothing
  - Gauntlet gloves
  - Aprons of Leather or other suitable material
  - Leggings, high boots, or other leg protection
- Suitable eye protective equipment worn
- Ear protection
- Welding helmets

### **Gas Welding and Cutting:**

- At beginning of the shift, inspect torches for leaking shut off valves, hose couplings, and tip connections
- Ensure oxygen and fuel gas regulators in proper working order
- Secure all compressed gas cylinders in upright position at all times
  - Transporting or storing cylinder – secure cylinders with caps in place
  - Never use cylinders as rollers or supports
- Keep oxygen cylinders and fittings away from oil and grease

### **Arc Welding and Cutting:**

- Ground frames of all arc welding and cutting machines
- Shield welding and cutting operations by noncombustible or flameproof screen
- Remove electrodes and place or protect electrode holders when left unattended
- When necessary to couple several lengths of cable for use as welding circuit
  - Insulated connectors used on both ground and electrode holder lines
  - For permanent connections, connection/splice should be insulated so it is equivalent to cable in use

### **Fire Prevention:**

- Have suitable fire extinguishing equipment immediately available
- Vent or opening in drum, container, or hollow structure before heat applied
- If drum, container, or hollow structure has contained toxic or flammable substances
  - Fill with water or thoroughly clean
  - Ventilate
  - Test before welding, cutting, or heating
- Fire watches necessary when welding or cutting performed where fire could develop
  - Continue watch for at least 30 min after completion of operation