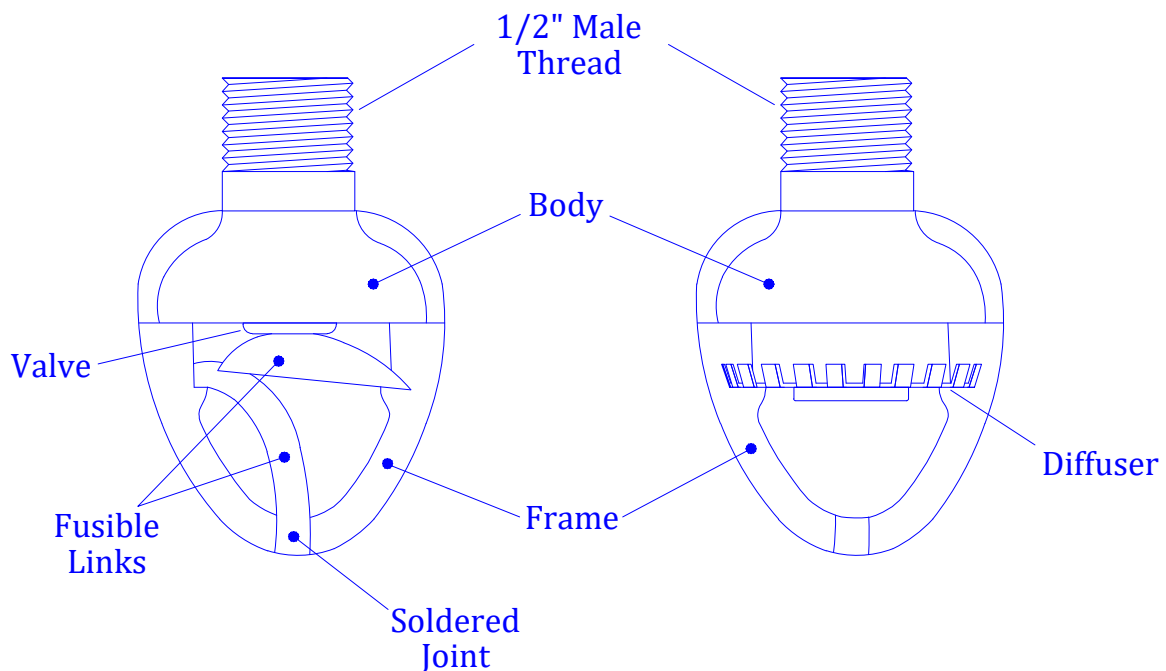


Mr. Grinnell, an American, invented and introduced into England in 1884 the first reliable, usable sprinkler head which has changed very little since. This sprinkler unlike its predecessors has a fusible solder joint that was kept away from the cooling effect of the water filled pipe. It also has the main principals of an efficient sprinkler which are:

1. Simplicity in design,
2. Mechanically strong,
3. Maximum sensitiveness in the fusible joint,
4. Freedom from the action of water,
5. Proof against leakage, and
6. Giving an equal distribution of water over the area of protection.

F. GRINNELL
AUTOMATIC FIRE EXTINGUISHER
Patent No. 269,202 - Dec. 19, 1882.



To all whom it may concern:

Be it known that I, FREDERICK GRINNELL, of the city and county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Automatic Fire-Extinguishers.