

3dly, that the time of refrigeration of iron, to that of gres, so as to be held in the hand, is : :  $53\frac{1}{2}$  : 32 and : : 142 :  $102\frac{1}{2}$ , for their entire refrigeration.

4thly, That the time of refrigeration of iron to that of lead, so as to be held in the hand, is : :  $53\frac{1}{2}$  : 27 and 142 :  $94\frac{1}{2}$  for their entire refrigeration.

In an oven hot enough to melt tin, although all the coals and cinders were drawn out, I placed, on a piece of iron wire, five bullets, distant from one another about nine lines, after which the oven was shut, and having drawn them out, in about 18 minutes they cooled,

*So as to be held in the hand.*

*To actual temperature.*

	Min.		Min
Melted tin in	- 8	In	- - - 24
Silver in	- - 14	In	- - - 40
Gold in	- - 15	In	- - - 46
Copper in	- - $16\frac{1}{2}$	In	- - - 50
Iron in	- - 18	In	- - - 56

In the same oven, but with a slower heat, the same bullets with an other bullet of tin, cooled,

*So as to be held in the hand.*

*To actual temperature.*

	Min.		Min.
Tin in	- - 7	In	- - - 20
Silver in	- - 11	In	- - - 56
			Gold