

the fire. I afterwards suffered them to cool to the actual temperature, of which I endeavoured to judge by means of touching other small globes of the same matters that had not been heated. Of all the matters which I put to the trial, there was only sulphur which melted in a less degree of heat than tin, and notwithstanding its disagreeable smell I should have taken it for a term of comparison, but being a brittle matter which diminishes by friction, I preferred tin, although it required nearly double the heat to melt.

Having heated together bullets of iron, copper, lead, tin, gres, and Montbard marble, they cooled in the following order :

<i>So as to be held in the hand for half a second.</i>			<i>To actual temperature.</i>		
		Min.			Min.
Tin in	- -	6½	In	- - -	16
Lead in	- -	8	In	- - -	17
Gres in	- -	9	In	- - -	19
Common marble in		10	In	- - -	21
Copper in	- -	11½	In	- - -	30
Iron in	- -	13	In	- - -	38

By a second experiment with a fiercer fire, sufficient to melt the tin bullet, the five others cooled.