

C A A P. XIII.

The way to make very fine and perfect Crystal.

THis *Crystal* will be white, very bright, clean and beautifull if the Workman take care in managing it. You must take of the *Crystal-Fritt* prepared as in *Chap. 6.* and put it in a Pot in the great Furnace, putting into it little by little, and at some interval of time, as much *Manganese of Piedmont* as is sufficient after it has been prepared, as we shall shew *Chap. 18.* The Fritt being thoroughly melted, you must take out the Pot, and put it in a great earthen Vessel full of Cold water, or in clean wooden Vessels. This way of putting the Fritt into water serves to take from it the *Sand-ever* which is noxious to the *Crystal*, and makes it obscure and cloudy, and very disagreeable to the Sight.

Then put it again into a clean Pot, and being melted, cast it again into Water; which must be repeated, until the *Crystal* be separated from all this sort of Salt. In the last place, let it stand 5 or 6 days in the Pot in the Oven to boil, and stir it as little as possible with the Iron, for it is apt to discolour it, and make it blackish. Being well boil'd and clear, see whether it hath *Manganese* enough, which may be known by inspecting it, (*viz.*) if it be white; but if it be still greenish, you must add more *Manganese* to it, and then let it boil till it be clear, and of a shining Colour.

The Property of *Manganese* added to it in a due quantity is to perfect the *Crystal*, and take from it a foul and dull Green, and give it a bright and shining Whiteness.

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