

separate the fire place from the ash hole, and should be sunk about six or eight inches below the level of the hearth.

Formerly the pearling Furnace was built with a fire place on each side ; but of late, the fire place on one side is found equally to answer.

The distance of the roof on the inside of the Furnace, from the hearth to its crown or highest part, should not exceed fourteen or fifteen inches.

It is usual to have two chimneys to the body of this Furnace ; one at the entrance, to receive the flame and smoke, when the door is open ; the other opposite to it, at the farthest end.

This Furnace has also two doors ; one at the fire place, about 12 inches wide, another at the opening at the front of its body, about 18 inches wide, and ten high ; through which the salts are thrown into it.

The fire is led to play throughout a well constructed Furnace, by three or four flues judiciously disposed around it, at the bottom of the wall, directly upon its hearth. These openings communicating with the chimneys, cause a draught which circulates the flame over every part of it.

P O T A S H F U R N A C E .

THE Furnace in use, for manufacturing Pot Ash, is of a different construction. It consists of two large iron boilers, or kettles, set in brick work,