

17. Acid of phosphorus separates likewise the acid of Spar, and expels it by distillation. The residuum has all the properties of ashes of bones; which have been lately found to consist of the acid of phosphorus and calcareous earth.

S E C T I O N II.

Combinations of Spar with Alkali.

18. ONE part of this Sparry Fluor being mixed with four parts of caustic fixed alkali, the mixture easily melts when brought upon the fire, but no part of the Spar has thus been made soluble in water.
19. One part of this Spar being mixed with four parts of common fixed alkali, and then melted, a quantity of water was poured upon it, by which all whatever was soluble really was dissolved, and nothing but a calcareous earth was left at the bottom of the vessel, which effervesced with acids. The supernatant liquor, upon being evaporated, was found to be an alkali saturated with acid of Spar.

S E C T I O N III.

Combinations of Spar with Salia Media.

20. ONE part of Spar being mixed with two parts of sal ammoniac, and then distilled, a little of volatile alkali came at first over, afterwards the sal ammoniac was sublimated, and at last, some yellow substance. The Spar was found at the bottom in its natural state. The small quantity of iron contained in the Spar