

IN PREPARATION :

(With Numerous Woodcuts.)

A Manual of Blowpipe Practice ;

OR,

*Complete Guide to the use of the Blowpipe in
Chemistry and Mineralogy :*

COMPREISING :

BLOWPIPE ANALYSIS ; THE DISCRIMINATION OF MINERALS ; AND BLOWPIPE ASSAYING.

GENERAL SUMMARY OF CONTENTS.

INTRODUCTION—(Containing, amongst other matters, a History of the Blowpipe, far more complete than the very imperfect sketch first given by Berzelius, and copied subsequently, without correction, by so many other authors. The best and most correct account, yet given, of the origin of the Blowpipe as a scientific instrument, is to be found in the valuable *Geschichte der Chemie* of Dr. HERMANN KOPF.)

PART I.—BLOWPIPE ANALYSIS, INCLUDING THE DISCRIMINATION OF MINERALS.

Division 1. *Instruments and Appliances*—(In this division various new instruments and adaptations are described, the whole being illustrated by 75 figures, drawn expressly for the present work. The instruments employed in Blowpipe Assaying are described and figured separately, in Part II.)

Division 2. *Reagents*.

Division 3. *Operations*—(Described, in detail, under 36 distinct headings, with 15 woodcuts.)

Division 4. *Reactions*—(This division comprises the largest portion of the work. The elementary bodies are arranged in groups according to a new plan founded on their blowpipe characters ; and not only are the reactions of simple substances, oxides, &c., given in detail, but methods for the detection of these in various combinations are also pointed out. The whole subject is methodically arranged under separate paragraphs, each with its special heading, so as to admit of ready reference. Under each metal or metalloïd, all the minerals, in which