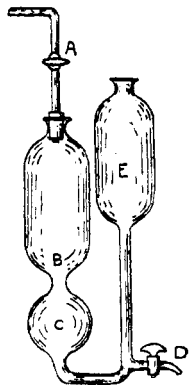


class. A good deal of space is devoted to directions for manipulation, preparation, and preservation of apparatus. Part of it is given to simple experiments usually included in other books than one intended for qualitative analysis. The methods for working with the blowpipe are far from being full. The tables are the same as ordinarily seen in books on qualitative analysis and present no feature for especial comment. The clumsy terms *mercurosum* and *mercuricum* are employed. Needless and misleading abbreviations, as HA for $C_2H_2O_2$ are used. The neatly bound book has a good index and is well printed.

CHAS. BASKERVILLE.

NOTES.

A New Hydrogen Sulphide Generator.—The accompanying figure shows a hydrogen sulphide apparatus in which objectionable features are reduced to a minimum, and the greatest convenience secured. At B is a perforated disk of lead, glass, or porcelain which supports the ferrous sulphide. When the stop-cock at A is closed, the acid is forced back by the gas into the vessel E. The globe C receives the excess of gas and prevents its bubbling back into E. When the acid is exhausted, it is drawn off at D and a new supply is added above.



The advantages of the apparatus are as follows:

1. It is in one piece.
2. The pressure is small when the cock is closed.
3. The quantity of escaping gas is reduced to a minimum.
4. It is conveniently filled and emptied.
5. It is always ready.

The apparatus is attached to a suitable support. It may be made of any size. The one now in use in the laboratory of Cumberland University has vessels and globe eight centimeters in diameter. It was made for me by Messrs. Eimer and Amend, New York, and is giving entire satisfaction.

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