

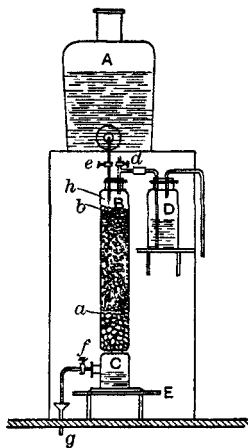
genius of our convention, will be remembered most gratefully by us all. I will not longer detain you from your personal farewells to each other, and now declare the Congress adjourned.

### HYDROGEN SULPHIDE GENERATOR.

BY H. G. SCHANCHE.

Received September 13, 1894.

THE form of generator shown in the annexed cut has proved itself, during seven years of use, to always furnish an *absolutely uniform supply of gas*. The acid reservoir A delivers the acid into the generator B, containing ferrous sulphide, *a b*, resting on coarse pebbles at *a*. The ferrous chloride collects in C and may be drawn off, from time to time, by opening cocks *d* and *f*, thus allowing it to flow through the, lead pipe *g* into a drip-pan underneath the table; D is an ordinary bottle for washing the gas. By regulating the flow of acid by means of the cock *e*, any supply of gas may be obtained, while the height of the column of ferrous sulphide, through which the acid percolates, assures an absolutely uniform supply of gas, as well as a complete neutralization of the acid. The shelf E, on which the generator B rests, can be slipped off its bracket, thus facilitating the removal of B for cleaning or charging.



[CONTRIBUTIONS FROM THE CHEMICAL LABORATORY, U. S. DEPARTMENT OF AGRICULTURE, SENT BY H. W. WILEY, NO. 11.]

### MODIFICATION OF KNORR'S EXTRACTION APPARATUS.

BY OMA CARR.

Received October 15, 1894.

TO avoid the inconveniences found with the usual form of mercury seal extractors,<sup>1</sup> such as the expense of flasks, disturbance of the seal by unequal pressures, tendency of the mercury to enter the flask, etc., the modification shown in the drawing is suggested.

The tube *a b* may be of any convenient size adapted to the

<sup>1</sup> Bulletin, No. 28, Division of Chemistry, p. 97.