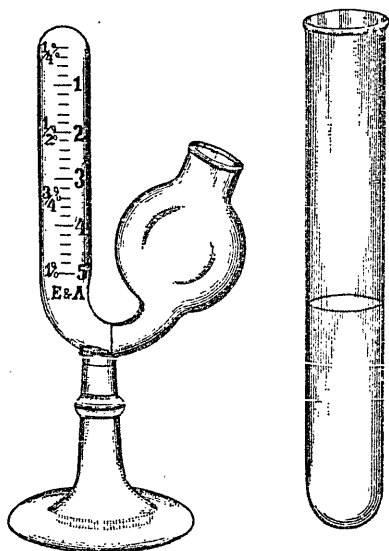


volume of the gas is clearly visible, and it is sensitive to much smaller quantities of sugar.



Von Jaksch sent me some time ago a reprint from the *Prager Wochensch.*, relating a case where he had failed to find sugar with previous tests, and which was only discovered by Von Fischer's test, phenylhydracin. As this compound was not procurable here, I had a little made for me, and for which I am indebted also to Prof. Bemrose. The trials of it, however, have not been satisfactory; it requires prolonged boiling and subsequently the use of the microscope to identify the crystalline deposit, hence it has not come much into use.

Johnson's color test with picric acid and alkali is excellent for qualitative estimation, but is not so satisfactory for indicating the quantity. It has the objections of all color tests, that differences of tint are not equally recognized by all eyes. The latest color test is alpha-naphthol. The extreme sensitiveness of this reagent I can confirm, although I did not carry the dilution as far as it is claimed it may be, namely, .00001 per cent.,* or one

* *Vide Philadelphia Medical News*, Sept 25, 1886.