ture of hydrofluoric acid and barium sulphate, no protector being used or needed. The "Scientific American Cyclopedia of Receipts, Notes and Queries," price $5, contains several receipts on the subject of your inquiry.

(4245) G. S. W. writes: In vol. x, No. 252, SCIENTIFIC AMERICAN SUPPLEMENT, "How to Make a Telescope," by Hopkins, it says the focusing tube, G, of brass is 1¼ inch internal diameter. Then, speaking of the astronomical eyepiece, the eye aperture should be 1¼ inch diameter, and the diaphragm about the same. As the diaphragm would be same diameter as the brass tube G, of what use is it? Is it not an error? Also what are the diameters of the lenses for the astronomical eye piece described, and what would be the combination for one of higher and one of lower power? A. In the article referred to, for "eye aperture 1¼ inches" read eye aperture ¼ inch. The rule for the combination of lenses for astronomical eye pieces is given in the article referred to. The focal lengths of the eye and field lenses should be as 1 to 3.

TO INVENTORS.

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