

A DEVICE FOR THE ADJUSTMENT OF A BALANCE.¹

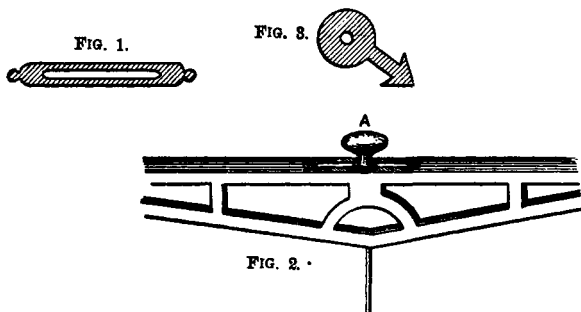
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IT is a matter of surprise to intending purchasers that some sensitive balances lack a method of adjustment. I do not allude to the analytical balance only. The assay, prescription, or pulp balance, often has this important improvement wanting. It is well known that the method of adjusting by screws on one or both ends of the beam is satisfactory. Also, that by means of a flag on the top and center of the beam—frequently used by Oertling—a wonderfully close adjustment can be reached.

It is not the intention to criticise these methods, but rather to show how an instrument lacking these improvements can be made adjustable by a person not a mechanic.

By means of a small strip of metal, fashioned after Fig. 1, and



preferably made of brass, any balance having a center screw on top of beam A can be made adjustable.

Fig. 1 represents such a device to be fastened to the top of beam in the center in such a manner as to slide either to the right or left as required. When the point of adjustment is reached it can be fixed by tightening the central screw, Fig. 2.

The strip, Fig. 1, or the arrow, Fig. 3, can be made in a few minutes of tinned iron, brass, or sheet proof-silver. The latter metal always being at hand in an assay office. The arrow method being adjusted by turning either to the right or left.

¹ Read at the Midwinter Fair Congress of Chemists, San Francisco, June 8, 1894.