

Spring Balances.

56. The term "spring balance" means any weighing-instrument in which weight-indications are dependent on the extension of a spring, and which is so constructed that the load, whether above or below the spring, is suspended directly from it.

57. A spring balance shall—

- (a.) Have all racks and pinions of suitably hard metal :
- (b.) Have the dial or scale graduated into approximately equal parts :
- (c.) Have all graduations marked in such a manner as to be clearly readable from any position in which the dial may be seen :
- (d.) Have the graduations not less than $\frac{1}{16}$ in. apart in capacities of 30 lb. and under, or $\frac{1}{8}$ in. in capacities exceeding 30 lb. :
- (e.) When the graduation commences at a fixed load, have the position of the dial hand when there is no load clearly indicated by a zero mark :
- (f.) Have a satisfactory and definite action without excessive vibration of the dial hand :
- (g.) Have the dial or dials suitably covered by glass : Provided this shall not apply to instruments—
 - (i.) Marked "For use by itinerant vendors only," or "Hawkers' scale only" ;
 - (ii.) Of a capacity exceeding 60 lb. ;
 - (iii.) In use prior to the date of these regulations ;
 - (iv.) Of a type approved by the Chief Inspector :
- (h.) Have any indicating line or point of any dial hand not more than $\frac{1}{32}$ in. in width, or more than $\frac{1}{16}$ in. from the dial or scale :
- (i.) Have the stamping-plug so supported as to prevent injury to the instrument in stamping.

The graduation lines on the dial or scale of a spring balance shall be in conformity with the following requirements :—

Capacity.	Weight corresponding to Interval between Consecutive Gradu-ations shall not exceed
1 lb. 2 drams.
2 lb. to 7 lb. 4 drams.
10 lb. to 15 lb. 8 drams.
20 lb. to 30 lb. 1 oz.
40 lb. to 60 lb. 2 oz.
100 lb. and over $\frac{1}{200}$ of capacity.

Spring balances of a capacity between 1 lb. and 100 lb., other than those included in the above table, shall not be stamped.

58. A spring balance may have a vertical slide with graduations thereon representing an amount equal to a complete revolution of the dial hand. Such graduations shall be marked and denominated in such a manner as to be clearly readable from any position in which the dial indications may be read and shall correspond to the reading on the dial.

59. No spring balance shall be used for trade in which—

- (a.) Weight-indications are given by the movement of a pointer down a vertical scale :
- (b.) A circular dial revolves past a fixed point :
- (c.) There is a zero adjustment which may be operated other than by mechanical means.

60. The errors permissible on verification of spring balances of a capacity of 30 lb. and under shall be as specified in Table 11 for counter-scales, and on instruments exceeding 30 lb. capacity a weight corresponding to a quarter of the interval between consecutive graduations.

Self-indicating Counter-scales.

61. The term "self-indicating counter-scale" means any self-indicating weighing-instrument, other than a spring balance, of a type specially designed for counter use.

A self-indicating counter-scale shall—

- (a.) Comply with the requirements of these regulations relating to counter-scales and spring balances where applicable to its type :
- (b.) Have a double-sided dial or quadrant, suitably enclosed in such manner that all weight-indications are clearly readable from either the front or back of the scale :
- (c.) Have the graduation lines on the dial or scale in conformity with the following requirements :—

Capacity.	Weight corresponding to Interval between Consecutive Gradu-ations shall not exceed
Not exceeding 1 lb. 4 drams.
Exceeding 1 lb. to 6 lb. 8 drams.
Exceeding 6 lb. to 30 lb. 1 oz.