

(h.) When the goods-pan is in the form of a scoop, indicate correctly if half the full load is placed against the middle of the back of the scoop and the other half in any position on it :

(i.) Have the stamping plug fixed in a conspicuous part of the beam or body.

15. (1.) No adjusting contrivance other than a balancing-box shall be permissible ; provided that this shall not apply to counter scales in use prior to the commencement of these regulations for five years from such date, if in the opinion of the Inspector any unenclosed balancing-material is suitably and securely fixed.

(2.) Any balancing-box shall be permanently fixed beneath the weights-pan, and be only large enough to contain loose material to an amount not exceeding approximately 1 per cent. of the capacity of the scale. This limit of balancing adjustment shall not apply to scales in use prior to the date of the commencement of these regulations, for five years from such date.

16. An Inspector shall not stamp—

(a.) Any accelerating counter scale ; provided that this paragraph shall not apply in the case of machines in use prior to six months after the date of the commencement of these regulations, for five years from such commencement :

(b.) Any counter scale—

(i.) In which the legs or pivot stud are adjustable by means of a screw thread ;

(ii.) Having a sliding or tare weight ;

(iii.) Having a china goods-plate which is much cracked or chipped, or which by loss of glazing has become readily absorbent.

SPRING BALANCES.

17. The term " spring balance " means any weighing-machine 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.

18. (1.) 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 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., unless of a type approved by the Minister :

(d.) When the graduation commences at a fixed load, have the position of the index when there is no load clearly indicated by a zero mark :

(e.) When the pan is above the spring, be subject to the requirements of paragraph (g) of clause 14 hereof :

(f.) When the pan is below the spring, be correct wherever a test load is placed upon such pan :

(g.) Be correct whether the test is backward or forward :

(h.) Have a satisfactory and definite action without excessive vibration of the index :

(i.) When the dial or scale is double-sided, show identical indications on each side :

(j.) Have the indicating point or line of the index finger, or any fixed line past which a graduated scale revolves, not more than  $\frac{1}{32}$  in. in width, or more than  $\frac{1}{10}$  in. from the dial or scale :

(k.) Have the stamping plug so supported as to prevent injury to the instrument in stamping.

(2.) In spring balances brought into use after the commencement of these regulations the plug shall, where practicable, pass through the dial and frame.

19. 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 Graduations shall not exceed
1 lb. . . . .	.. 2 drams.
2 lb. to 7 lb. . . . .	.. 4 "
10 lb. to 15 lb. . . . .	.. 8 "
20 lb. to 30 lb. . . . .	.. 1 oz.
40 lb. to 60 lb. . . . .	.. 2 oz.
100 lb. and over . . . . .	.. 1/200th of capacity.