

months after the date of the regulations if the different series are painted distinctly different colours :

- (c.) Have one adjusting-hole only : Provided that this shall not apply to any counterpoise weight in use prior to the date of these regulations which has not more than two adjusting-holes :
- (d.) Unless precluded by their small size, have a circular adjusting-hole not less than $\frac{5}{8}$ in. in diameter, or a rectangular hole not less than $\frac{5}{8}$ in. long and $\frac{3}{8}$ in. wide, and have the adjustment therein in accordance with the requirements of these regulations for avoirdupois weights.

Beam Scales.

44. The term " beam scale " means an equal-armed weighing-instrument the pans of which are below the beam.

45. Beam scales shall be divided into three classes :—

Class A includes diamond, chemical, and assay balances, and such other beam scales as comply with the requirements of Table 9 for Class A instruments, and are provided with means for relieving at least the end bearings and knife edges.

Class B includes beam scales other than those included in Class A and which satisfy the requirements of Table 10 for Class B instruments.

Class C includes all beam scales other than those included in Classes A or B. They shall comply with the requirements of Table 10 for Class C instruments.

46. Every new beam scale, other than a Class A instrument, shall be indelibly marked either " Class B " or " Class C."

47. Any attachment for adjusting the balance of a beam scale shall be permanently fastened, and where a balance ball or box is used for occasional adjustment it shall be so fixed that it cannot be readily tampered with.

48. The stamping-plug in a beam scale shall be fixed in the beam immediately under or over the central knife edge, or as near as practicable thereto.

49. No beam scale shall be used for trade—

- (a.) Which accelerates :
- (b.) Which has swan-neck ends :
- (c.) Which has wooden scale-boards, unless of a capacity of 56 lb. or over :
- (d.) Which has loaded weight pans, unless the loading is suitably enclosed :
- (e.) Which is not provided with a tongue or pointer for indicating the position of equilibrium :

Provided that scales of the type specified in (b) and (d) in use prior to the date of, and otherwise in accordance with, the regulations may be stamped for five years from such date.

50. The errors permissible on the verification of beam scales shall be as specified in Tables 9 and 10.

Counter-scales.

51. The term " counter-scale " means any equal-armed weighing-instrument in which the pans or plates are above the beam, of a type designed for counter use, and of a capacity not exceeding 1 cwt.

52. A counter-scale shall—

- (a.) When the beam or body has two sides, have such sides connected by not less than two cross-bars :
- (b.) Have the supports for the pans of a suitable rigid structure, such as crosses strengthened by straps :
- (c.) Have the centre forks so fixed that they cannot twist or get out of place :
- (d.) Have the bearing surface and points of contact of all legs, stays, hooks, and loops of hard steel or agate, or other approved material :
- (e.) When of the vibrating type, have a fall both ways from the horizontal position not less than as hereunder specified—

Capacity.	Fall.
Not exceeding 4 lb.	$\frac{1}{4}$ in.
Above 4 lb. and not exceeding 7 lb.	$\frac{5}{16}$ in.
Above 7 lb. and not exceeding 28 lb.	$\frac{3}{8}$ in.
Above 28 lb. and not exceeding 56 lb.	$\frac{7}{16}$ in.
Above 56 lb.	$\frac{1}{2}$ in.

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

53. Every counter-scale shall have a balancing-box which 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.

54. No person shall use for trade any counter scale which (a) accelerates, or (b) has a sliding or tare weight, unless specially permitted for factory use.

55. The errors permissible on the verification of counter-scales shall be as specified in Table 11 : Provided that the errors permissible in dispensing-scales shall be as specified in Table 10 for Class B beam-scales.