

ACCURATE WEIGHING NEWS

→ Every Week for Every Body

"CONTINUOUS WEIGHING NEWS" TO CREATE AN INTEREST AND AWARENESS AMONG THE PUBLIC

ISSUE NO : FEB / 2023 / 06

NO OF PAGES : 2

DURATION : EVERY WEEK

PAGE : 1

Disadvantage of the spring scales is that with repeated use, the spring in the scale can be permanently stretched, which tends to bring less accuracy.

The cam was introduced around 1906 to enable chart graduations of equal width to be obtained. As the pendulum moves outwards, under the influence of the load, to a position of equilibrium, the indicator traverses the chart and indicates the correct weight.

Figure shows a semi – self-indicating scale of cam and pendulum type with Beranger lever system.

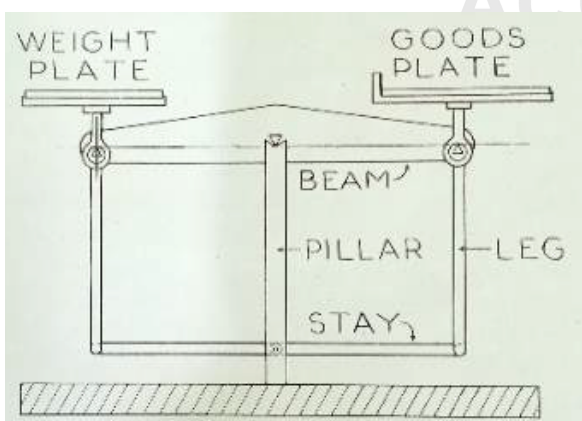


These are based on Levers, Knife-edges & Bearing System for durability, sensitivity and consistent accuracy. The lever based Self and Semi-self indicating Counter Scales are suitable for quick and accurate weighing in retail shops and in numerous fields of industries.

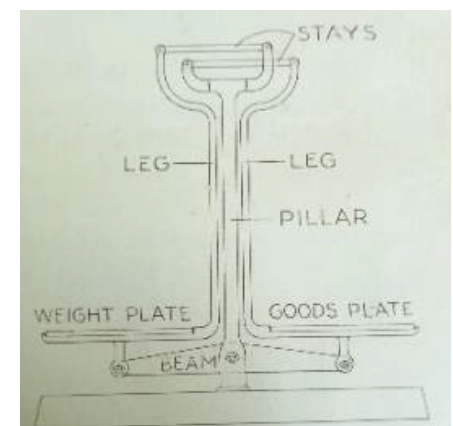
Semi-self-indicating counter scales were designed to obviate the use of weights of small denomination when weighing goods in varying quantities to facilitate repetitive manual weighing of a particular loading, precisely or within tolerance.

Assemblies comprise one of the conventional counter scales of Roberval, inverted Roberval, Beranger or Phanzeder pattern associated with a variable resistant of the cam or eccentric pendulum, tension spring or torsion strip type.

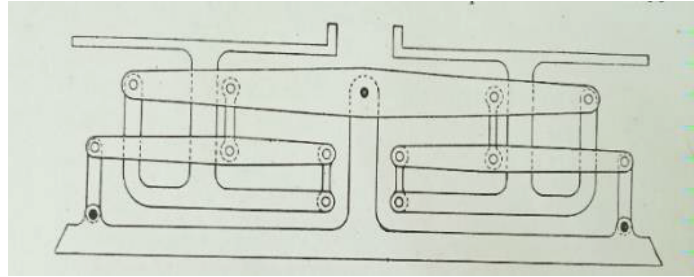
We have already seen that Roberval principle has formed the basis of many types of counter scale and for many applications, it was the most convenient form of lever system.



In one of its variations the stays were arranged above the beam, known as Imperial Scale.



In the middle of the 19th century, Joseph Beranger, a French scale maker, invented a system of levers by his name. This design was very reliable and accurate. The Beranger design permitted several variations and in which one the Phanzeder became popular in the continent of Europe.



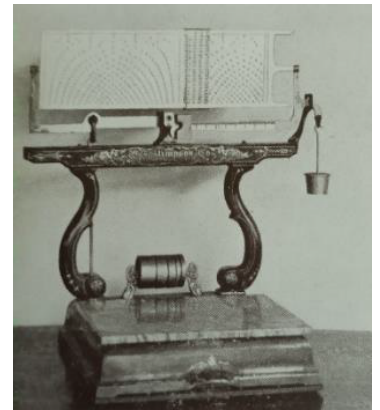
Self-indicating counter scales

Self-indicating weighing machine means a weighing instrument in which the whole or part of the weight of the goods being weighed is indicated by a pointer moving over a scale or chart graduated in units of mass, or a graduated chart moving in relation to a fixed pointer, or a digital display, or by means of a printed record which avoids Physical or mental effort in weighing and pricing of goods.

Price computing Scale

The idea of making the scales to indicate value of the goods, as well as weight, occupied the minds of inventors in the 19th century.

One of the earliest of the price indicating scales to be made on a commercial basis was the Stimpson steelyard computing scale, which made its appearance in 1897, mostly in American market. The figure shows such a scale, the steelyard carries a flat rectangular chart graduated in units of weight and with price computations.



It was soon followed by the Dayton automatic computing scale with suspended pan.

Sharing the weighing news continuously,



ACCURATE ELECTRONICS®

Show Room : Accurate Corner, 511, A-L Raja Street, Coimbatore - 641 001.

Head Office : 13/2, MJ Sargunam Colony, Near SNR College, Nava India, Coimbatore - 641 006.

☎ 0422 - 436 13 96, 453 44 00

☎ 0422 - 450 63 96/97

🌐 www.accurateworld.com

🌐 www.ishtaascales.com

