



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

OTTAWA, June 8th, 1953.

NOTIFICATION OF TYPE LISTING

Under the provisions of the Weights and Measures Act, Chapter 36, S.C. 1951, and Regulations thereunder (P.C.6894), the apparatus specified and illustrated herein have been listed as approved devices and may be used in Canada in accordance with the conditions applicable.

Apparatus Listed: Equal arm scales with over and under indicator and side beam:

Model A.M.T. - capacities - 12 lbs., 25 lbs., 5 Kg., & 10 Kg.
Model A.M.T.S. - capacities - 100 lbs. & 50 Kg.
Model B.M.T. - capacities - 12 lbs., 5 lbs., 5 Kg., & 2 Kg.
Model A.M. - capacities - 12 lbs., 25 lbs., 10 Kg., & 5 Kg.
Model A.M.S. - capacities - 100 lbs. & 50 Kg.
Model B.M. - capacities - 12 lbs., 5 lbs., 5 Kg., & 2 Kg.

Catalogue numbers of these models run from 700 to 706, 710 to 713, 725 to 730, 750 to 756, 760 to 763, and 775 to 780, inclusive and are manufactured by H.A. Hadley Associates, Inc., Burlington, Vermont, U.S.A.

Application: Weighing of commodities in trade or laboratory use.

Conditions: As prescribed in P.C.6894. Graduations with weight values must not appear on the over and under indicator chart.

Description: The devices are equal arm type scales with an over and under indicator. The fundamental design and construction of all models is the same except: housings vary in size and material, the pillars supporting the O & U head are of different heights or may be end or center type and the capacities of side beams vary. Pivots and bearings are made of tungsten carbide. Pivots are V shape and bearings are flat. Skating of the pivots on the flat bearing is prevented by means of a neoprene rubber flexure member which joins the pivot & bearing supporting component. The stabilizing gear is well designed and effective. The over and under indicator is mounted on a jewelled bearing and is actuated by the movement of the lever mechanism. The actuating member of the lever assembly is provided with a magnetic area which maintains contact with the magnetic follower connected to the indicator assembly. This provides positive connection with no backlash and a minimum of friction. An adjustable air dashpot is provided, the plunger being mounted on a coil spring. The scale casings of A units are cast magnesium with a satin green finish and B units are cast aluminum with natural polished finish.

Testing: The standard tests for an equal arm scale shall apply.

C. S. Phillips,
Assistant Director (W&M),
Standards Division.

R. W. MacLean,
Director,
Standards Division.

Reference A:247.

HADLEY METROGRAM SCALE

MODEL B.M.T.

