



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL - AVIS D'APPROBATION

NO.

S.WA - 847

DATE

July 14, 1972

TORSION BALANCE TEST SCALES - SERIES DWM, DLM

Manufacturer: The Torsion Balance Co. (Canada) Ltd.,
980 St. Paul Street West,
Montreal, Quebec.

Apparatus Listed: Test Scales, equal-arm balance type, with graduated balance indicator, and with one or two dial-type weight balancing controls.

Model DWM-2 Fine and coarse balance controls.

Model DWM2-1 Same as DWM-2 but with commodity scoop rather than platter.

Model DDM-2 Same as DWM-2 but with fine balance control only.

Model DDM2-1 Same as DDM-2 but with commodity scoop rather than platter.

Model DWM-3V Fine and coarse balance controls.

Model DWM-5 Fine and coarse balance controls.

Model DDM-5 Same as DWM-5 but with fine balance control only.

Rating of Apparatus:

Models DWM-2, DWM2-1, DDM-2, DDM2-1 - 120 grams.

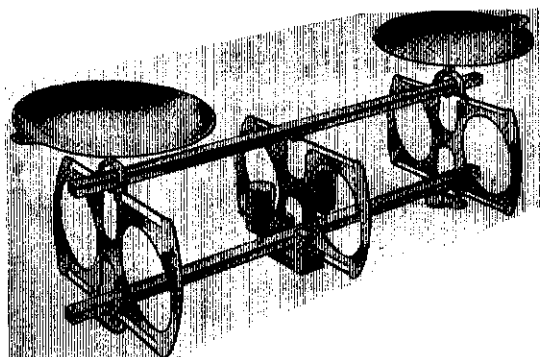
Model DWM-3V - 200 grams.

Models DWM-5, DDM-5 - 500 grams.

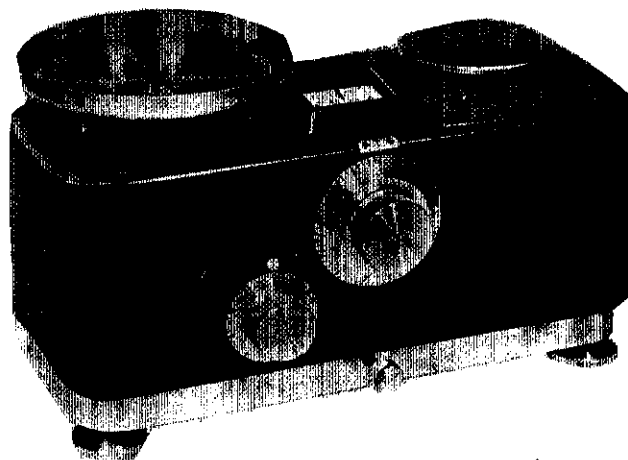
Application:

The measurement of moisture content and other test variables.

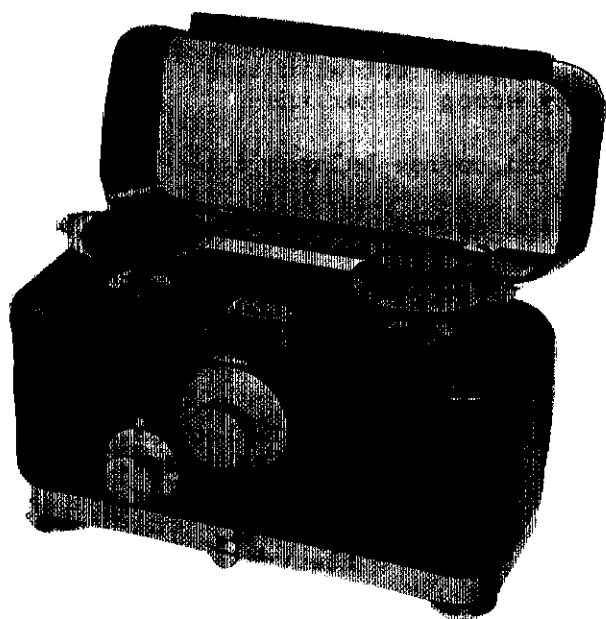
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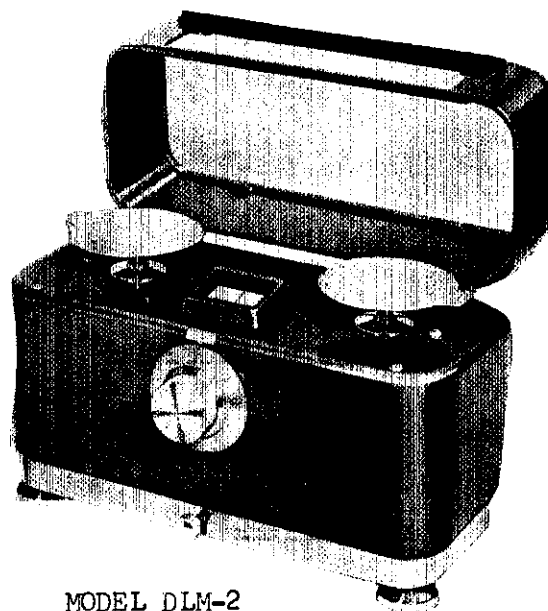
TORSION BALANCE MECHANISM



MODELS DWM-3V, DWM-5



MODEL DWM-2



MODEL DLM-2

Description:

These balances are equal-arm type, operating on the Roberval principle. Taut metal bands acting in torsion serve as pivots. The mechanism is typical of that used in all previously approved balances manufactured by the Torsion Balance Company.

The fine weighing control mechanism consists of a spirally-wound resistance spring which acts on the beam. Spring loading is varied by means of a calibrated manual control knob.

The coarse weighing control mechanism utilizes a series of drop weights which are activated by means of a calibrated manual control knob.

Balance condition is indicated by means of a graduated "over and under" indicator. All balances are equipped with a magnetic damping system.

Balance housings are of sheet steel with enamel finish. Bases are of cast construction and are equipped with levelling feet. Models of 120 gram capacity are equipped with a hinged cover having a glass window.

Commodity holders may be flat platters, dished pans or scoops.

Testing:

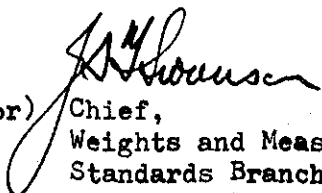
The standard tests for equal arm scales shall apply.

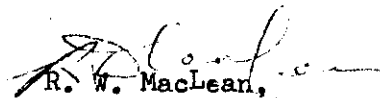
References:

SW - 85 - T1
SL - 102 - 653

Conditions of Approval:

Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.


(for) Chief,
Weights and Measures Division,
Standards Branch.


R. W. MacLean,
Director,
Standards Branch.