



STANDARDS DIVISION

OTTAWA, May 15, 1963.

RESTRICTED APPROVAL LISTINGRAMSEY VEY-R-WEIGH CONVEYOR SCALE

Under the provisions of the Weights and Measures Act, Chapter 292, R.S.C. 1952 and Regulations thereunder (P.C. 6894), the apparatus specified and illustrated herein has been listed as an approved device for restricted use and may be used in Canada in accordance with the conditions applicable.

Apparatus Listed: Belt conveyor scale, Model C.W. 59, manufactured by Ramsey R.E.C. Limited, 67 Industrial Road, Richmond Hill, Ontario.

Rating: Maximum peak capacity 250 tons per hour. Normal operating load 120 to 220 tons per hour.

Application: Bulk weighing of crude or cheap material such as crude ore, salt, fertilizer, lime, cement and similar products.

Conditions: As prescribed in P.C. 6894.

NOTE: (1) Maximum applicable tolerance .5%.
(2) These devices are required to bear a permanently affixed plate bearing the words "Restricted - Trade and Commerce" or the mark "Restricted - T & C".

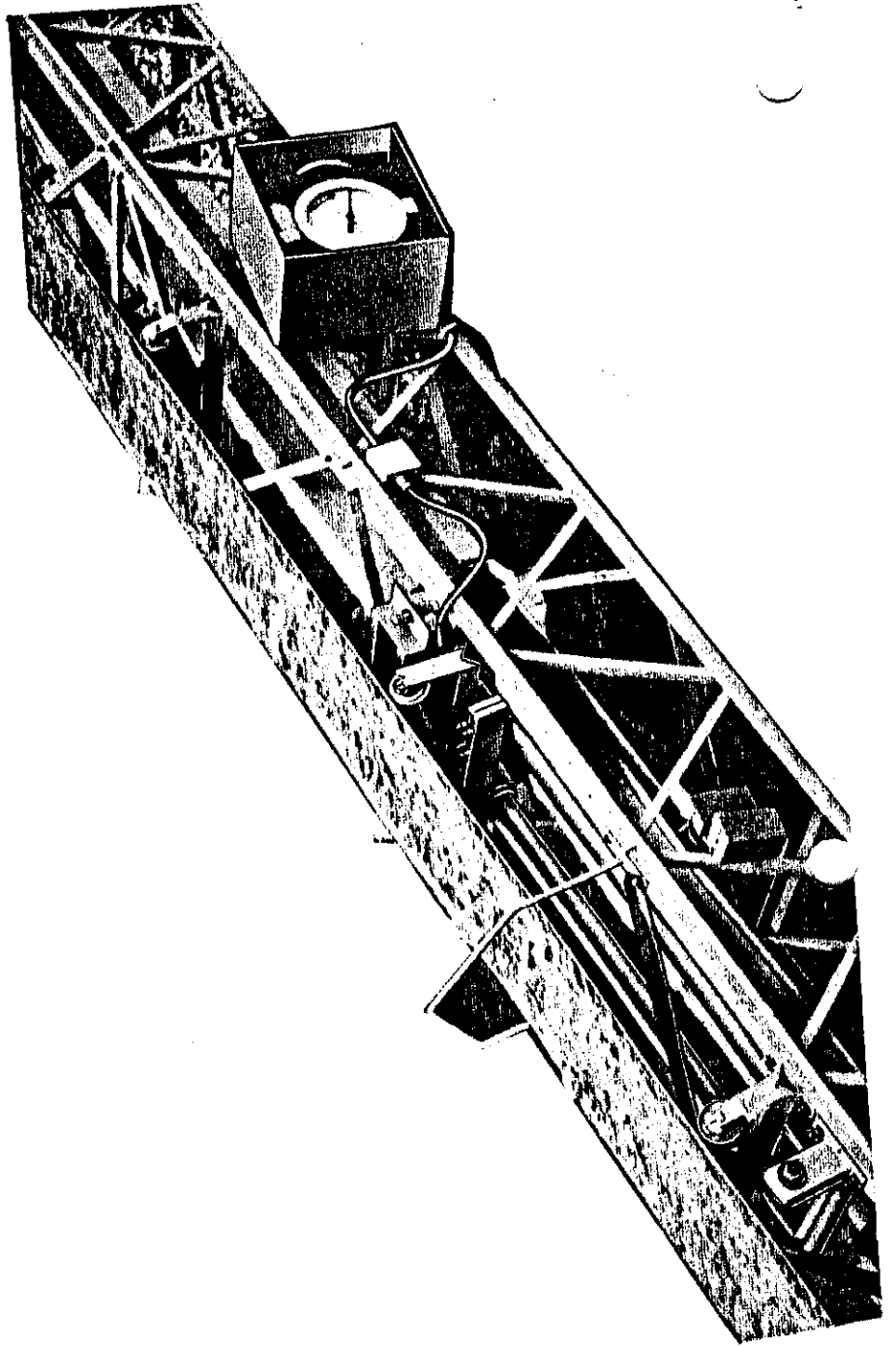
Description: This device is a belt conveyor scale system consisting of a "Ramsey" electro-mechanical weight transducer, scale carriage with modified idler, power supply junction box and a continuous recorder indicator which may be mounted adjacent to the scale or located remotely from the weighing unit.

The load cell basically consists of a load beam whose deflection under load is monitored by the core of a differential transformer whose electric signal is directly proportional to the position of the core. This signal is applied to a null balance potentiometric indicator/recorder. The load cell unit housing is sealed to protect the weight sensing unit from dust and moisture. The temperature within the load cell casing is maintained constant by a heater and thermostat. Minimum graduations of the indicator are .1 ton.


.....

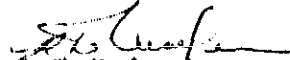
S-WA. 458

RAMSEY "VEY-R-WEIGHT" CONVEYOR SCALE
MODEL C.W. 59

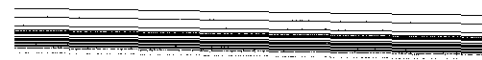


Testing: The standard tests for a conveyor scale shall apply.


O. S. Phillips,
Chief, (W&M),
Standards Branch.


R. W. MacLenn,
Director,
Standards Branch.

Reference: A-658



(

(. . .