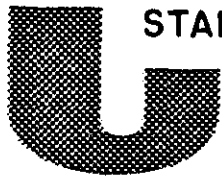




Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-730

OTTAWA March 19, 1970.

Approved: RAMSEY BELT CONVEYOR SCALE - MODEL 10-11

manufactured by Ramsey REC Ltd., 385 Enford Road, Richmond Hill, Ontario.

Apparatus Listed: Model 10-11 Belt Conveyor Scale with electrical weight totalizer.
Scales may be equipped with any of the following Ramsey totalizer models -

40-13	40-13A
40-14	40-14A
40-15	40-15A

"A" suffix designates a totalizer equipped to provide an output signal to a recorder or controller.

Models 40-15 and 40-15A are current models and supersede other models listed above.

The following may be installed as auxiliaries to the Ramsey weight totalizer -

- Remote Indicator
- Presin Weight Printer
- Sodeco Weight Printer
- Predetermining Weight Controller, Model 10-62
- Flow Rate Controller, Model 40-40.

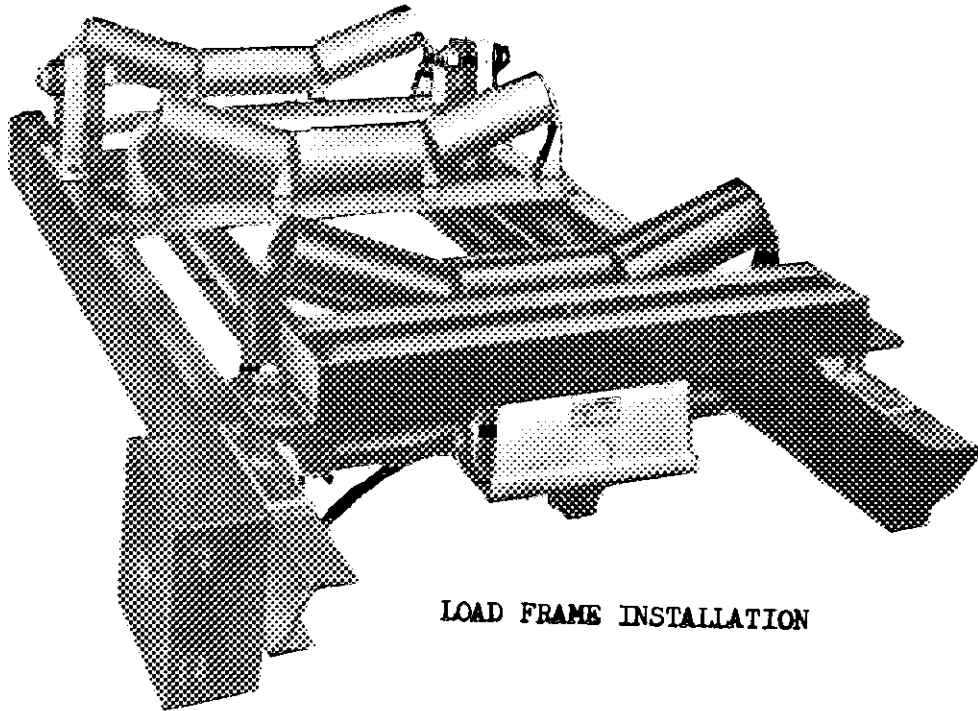
Load Rating: Maximum capacity - 20,000 short tons per hour.

Conditions:

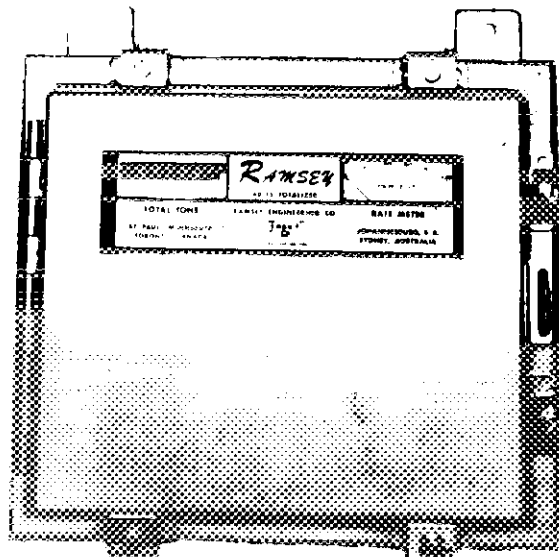
1. Tolerance is to be $\pm 0.50\%$ at any load rate.
2. Scales are restricted to use for determining charges not exceeding 2 cents per pound.

Application: Continuous weighing of relatively low-priced bulk materials.

....2



LOAD FRAME INSTALLATION



MODEL 40-15 TOTALIZER

Description: This scale utilizes the bending displacement of a simple steel load beam to produce, through a differential transformer, an electrical signal proportional to weight. Force transfer from the conveyor belt to the load sensing beam is through a rigid frame carrying one or more sets of conveyor idler rollers. One end of the frame is pivoted on rubber trunnions, the other end bears on the beam. The frame is installed between the conveyor rails.

An electrical signal proportional to belt speed is obtained from a generator connected to the conveyor drive mechanism.

Belt speed and load signals are continuously integrated by the totalizer unit. Weight is displayed by means of an electro-mechanical counter. The counter is motor-driven by the output from an integration circuit.

Testing: The standard tests for conveyor scales shall apply.

References: SW-85-R11
SL-102-658

Note: 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.