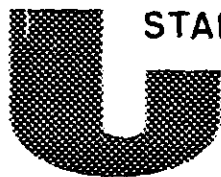




Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-775

OTTAWA January 6, 1970.

Approved: D.M. GRIFFITHS CONVEYOR SCALE - MODEL 1G

manufactured by D.M. Griffiths Scales Ltd., 3745 Irmin Street, Burnaby 1, B.C.

Apparatus Listed: Belt Conveyor Scale, Model 1G.

Load Rating: Maximum capacity - 5000 short tons per hour.

Application: The continuous weighing of relatively low-priced bulk materials.

Conditions:

1. Weighing is restricted to the range from 25% to 100% of rated belt load capacity.
2. Tolerance is to be $\pm 0.50\%$ over the range from 25% to 100% of capacity.
3. Scales are restricted to use for determining charges of less than 2¢ per pound.

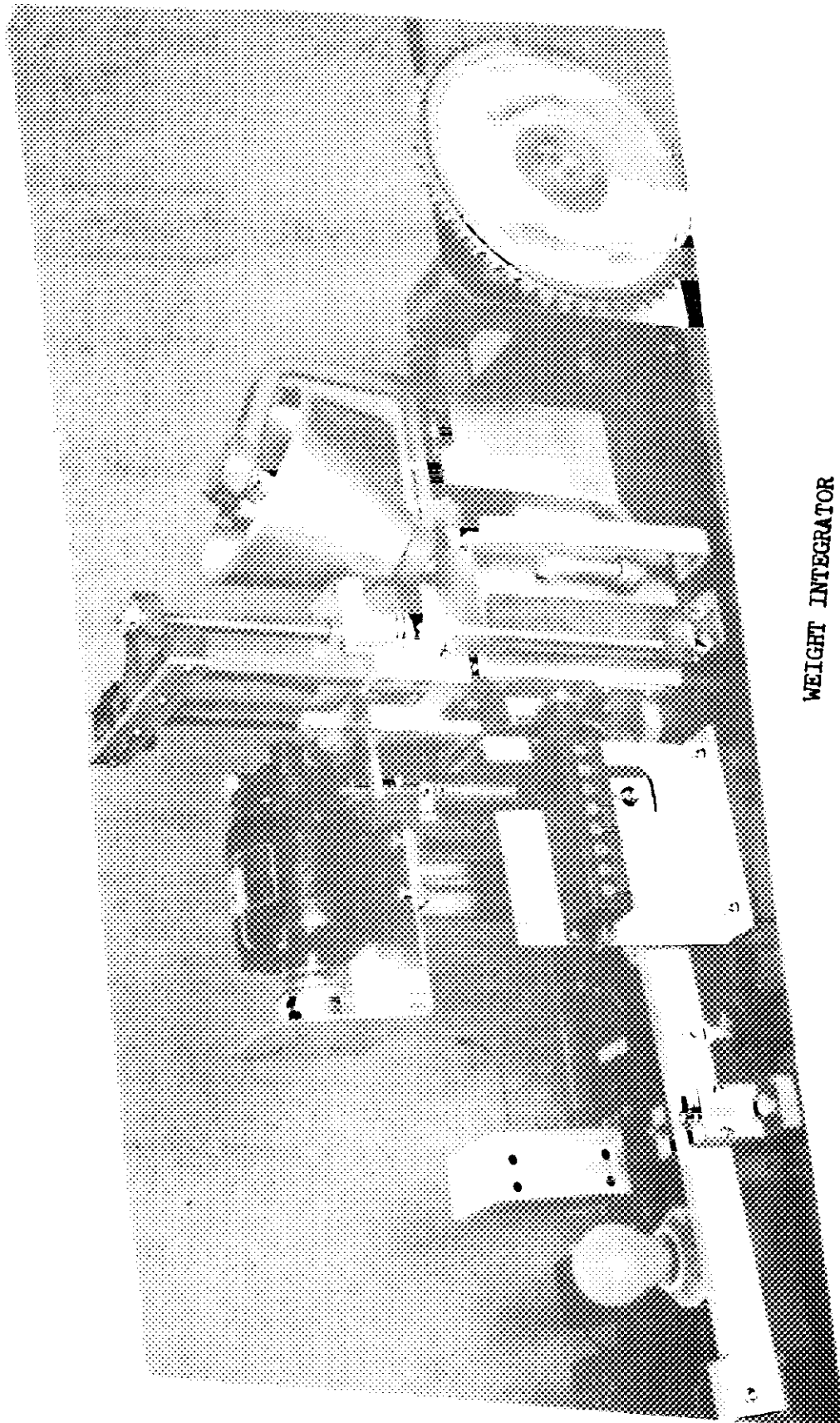
Description: These scales utilize two T shaped levers supporting a weighbridge which carries a section of the conveyor belt.

Weight integration is performed by means of a cone and disc integrator. During conveyor operation the cone is rotated by means of a sprocket and chain drive, connected to one of the conveyor rollers. The integrating disc takes up a position along the surface of the cone which is directly related to unit belt loading. The disc is positioned by means of a servomotor which responds to the movement of a beam connected to the lever system.

A weight totalizing register is driven from the integrating disc, through a gear train. Percentage of load passing over the scale is indicated by a graduated scale on the integrating disc support frame.

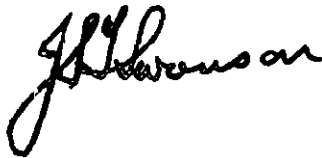
The scale may be equipped with a remote indicator.

References: SW-85-G2
SL-102-233

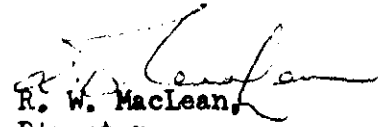


WEIGHT INTEGRATOR

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.