



CANADA
DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

OTTAWA, April 14, 1964.

RESTRICTED APPROVAL LISTING

TRANS-WEIGH BELT-METER 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.

Note: This approval listing applies to the one scale model No. 604 Serial No. 06205051 installed at Bestwall Gypsum Company, Port Hawkesbury, Nova Scotia. In the event of other installations being planned, it is required that the Standards Branch, Ottawa, Canada, be notified in each case, in order to ensure in advance of the installation that all approval requirements will be met.

Apparatus Listed: Belt Conveyor Scale Model 604, manufactured by Trans-Weigh Division of Compudyne Corporation, Hatboro, Pennsylvania, U.S.A.

Rating of Apparatus: Maximum peak capacity 800 tons per hour. Normal operating load 500 to 700 tons per hour.

Applications: Bulk weighing gypsum crude ore.

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."

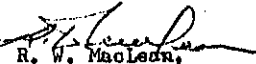
Description: This device is a belt conveyor scale system consisting of a weigh carriage which has two idlers supported on a channel frame work. This frame work is supported in turn at four points, so it will not twist or deflect from off-centre loads. The idler frame rests on two separate inner A frames which transmit the force to a strain gauge load cell.

The integrating mechanism and the totalizer are housed in a steel cabinet.

The load cell is temperature compensated and is used in compression. It consists basically of a calibrated steel column with strain gauges bonded to the column and connected electrically in the form of a wheatstone bridge.

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


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Ref: SL-102-680

