

TRADE AND COMMERCE
CANADA

SD-WA.17

STANDARDS DIVISION

OTTAWA, April 23, 1948.

NOTIFICATION OF TYPE APPROVAL

The apparatus specified and illustrated herein has been duly approved under the revision of the appropriate Act, and may be admitted to verification in Canada.

Authority:- Weights and Measures Act, Chapter 212, R.S. 1927.

Ruling Body:- The Approvals Board, Standards Division.

Apparatus Approved:- Typ NT Automatic Weighing and Printing Attachment manufactured by the Streeter-Amet Company, Chicago, Illinois.

Rating of Apparatus:- Beam and printometer markings in accordance with the capacity of the scale to which the recorder is attached.

Application:- The weighing of railroad freight cars and rolling stock.

Limiting Conditions:- Approval granted provided two soft metal plugs for stamping are incorporated in the beam, and that any scale assembly to which the type NT is attached shall itself comply with the Regulations under the Weights and Measures Act.

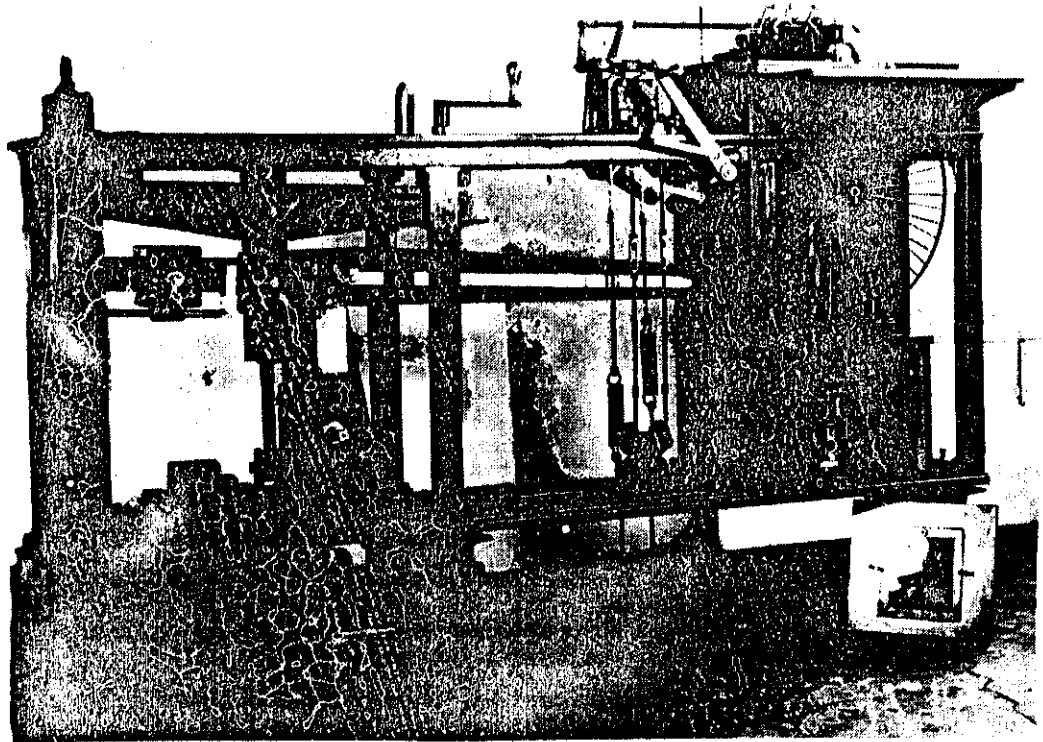
Description:- The apparatus consists of beam, torque balancing "iso-elastic" spring, type wheel, printing device with actuating mechanism, and supporting structure. For checking purposes, the beam is fitted with a 10% capacity graduated bar and sliding poise, and a hanger (12 to 1 ratio) carrying a number of removable weights each weight standardized to 10% capacity. The torque balancing spring applies its pull at a 14 to 1 ratio. The movement of the beam under applied load is made "dead beat" by means of a special dash-pot and piston attached to the extreme tip of the beam. The piston is equipped with adjustable spring-loaded valves and operates immersed in kerosene. Dash-pot and torque balancing spring are mounted in an insulated compartment, electrically heated during winter operation. Drive from beam tip to type wheel is by an accurately machined rack and pinion; constant meshing contact between these components is maintained by a small weighted bob attached to a line wound over a worm on the type wheel shaft.

Above the recorder beam, a two-to-one shelf lever is mounted for transmitting motion to the original hand-beam, and a lifting device is fitted to transfer weighing operation from the recorder to hand-beam as desired.

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Testing:

STREETER-AMET RECORDER

TYPE NT



Testing The machine should be verified by stationary loading, either by standard weights or test car.

As an accommodation to the operating agency, the assembly may also be tested by spotting and hand-weighing a loaded freight car, and then running the loaded car across the scale uncoupled, and taking the weight by the recorder.

The speed of the car moving across the scale should be such as to allow it to be scale-borne for a minimum of four seconds.

[Handwritten Signature]
 Dr. Stiver
 Chairman, Approvals Board

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 for S. C. I.,
 Director of Standards