



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



**STANDARDS BRANCH - DIRECTION DES NORMES**

**NOTICE OF APPROVAL - AVIS D'APPROBATION**

NO.	S.WA - 731
DATE	June 23, 1972

HOWE RICHARDSON SUSPENSION PIPE LEVER TYPE TANK AND  
HOPPER SCALE MODELS

3H10, 3H20, 5H30, 15H60, 30H120, 50H200

Manufactured by: Howe Richardson Scale Division  
of Robert Morse Corporation Ltd.  
Ville St. Pierre,  
Montreal, Quebec.

Apparatus Listed: Suspension Pipe Lever Type Tank  
and Hopper Scale, models 3H-10, 3H-20, 5H-30,  
15H-60, 30H-120, 50H-200 with capacities of 6500,  
20,000, 30,000, 60,000, 120,000 and 200,000 pounds  
respectively.

Basic model numbers with single beam,  
double beam, full capacity beam, type registering beam,  
with or without over and under indicator.

The symbol 9100, 27000, 29000 and  
31000 to 37000 inclusive after the model number indicates  
Howe Richardson mechanical dial head with analog or  
digital indication.

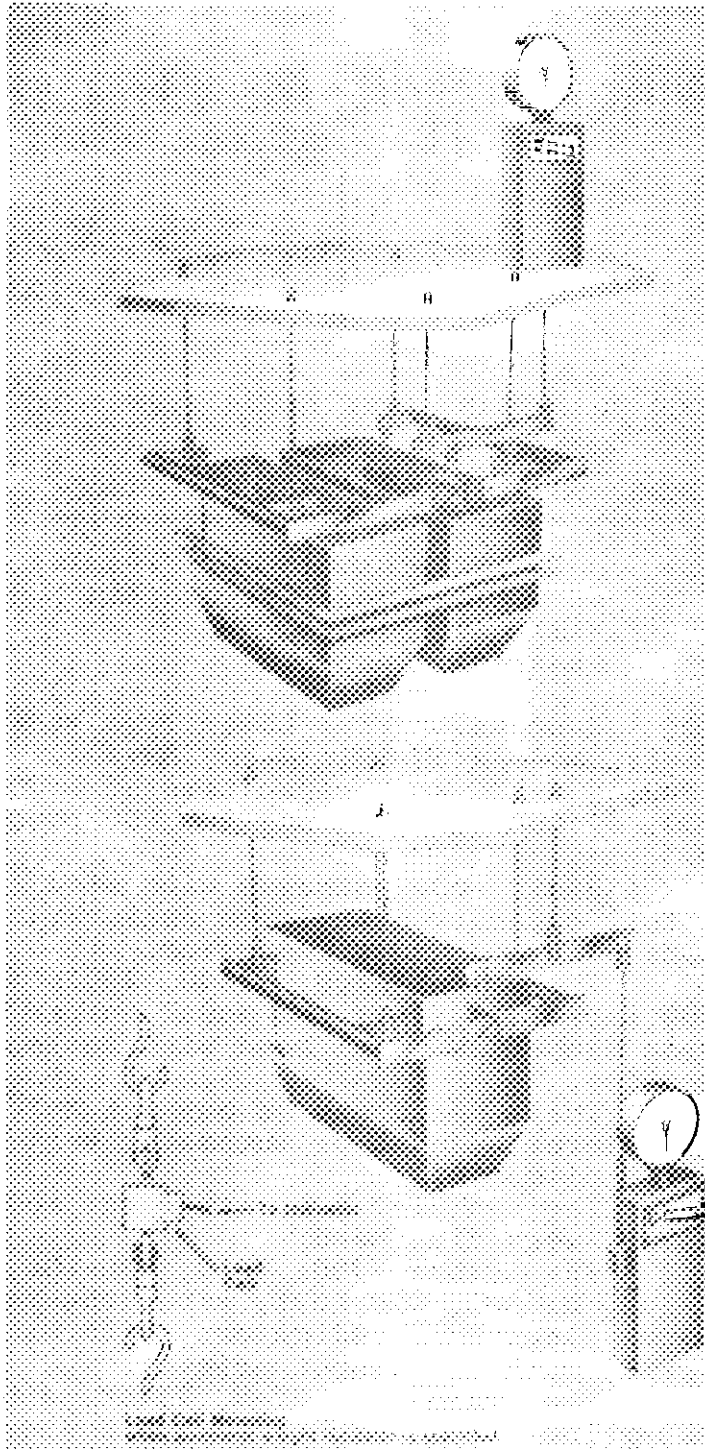
These heads may or may not be  
equipped with printer, manual or automatic unit  
weights, where applicable.

The symbol C.L.E. after the model  
number indicates Avery dial head.

The symbol 7700, 7800, SSD-100,  
DIP 1070, DI 100, DI 300, DIP 1071, after the model  
number indicates electronic indicators, with single or  
double load cell, with or without printer.

The symbol 77, 77-W, 77-DW, after  
the model number indicates Weight-O-Graph indication.

HOWE RICHARDSON SUSPENDED HOPPER SCALES



Application: For weighing liquids or free flowing material in trade.

Description: These scales are designed for weighing material in a hopper or tank which is suspended from the lever system.

The lever system consists of two L-shaped torsion type main levers with extension arms to a transfer lever which in turn is connected to the weight indicating element. Levers are made of seamless steel tubing and structural sections, assembled by welding. The levers may be supported by a sub-frame or by the building structure being hung on suspension rods with self-aligning suspension links.

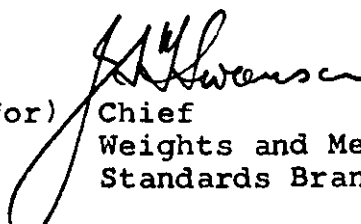
The pivots and bearings are precision ground of hardened steel and are of the replaceable type.


Testing: The standard tests for suspended hopper scales shall apply.

Reference: SW - 85 - H11  
SL - 102 - 781

Conditions of Approval:

Approval is granted under the Weights and Measures Act, Chapter 292 and Regulations thereunder (P.C. 6894) and under any special conditions listed above.

(for)  Chief  
Weights and Measures Division  
Standards Branch

  
R. W. MacLean  
Director  
Standards Branch