



First approved Feb. 23, 1976

Ottawa August 7, 1980

NOTICE OF APPROVAL - AVIS D'APPROBATION

MANTLE - ELECTRONIC LOG BUNK SCALES

MANUFACTURER: Mantle Industries Ltd.
8760 River Road
Delta, B.C.

TYPE OF DEVICE: Full electronic log bunk scales, utilizing load cells of compression type or shear pin type.

MODEL SERIES: LWS100

CAPACITIES: 100,000 lb x 20 lb, 200,000 lb x 50 lb, 300,000 lb x 50 lb.
Or metric equivalent.

LOAD CELLS: Compression Type - Revere, Model CP-1300
Shear Pin Type - Transducers Inc., Model 5103.

INDICATOR: Any approved and compatible type of indicator and accessories may be used with these scales.

APPLICATION: The weighing of logs.

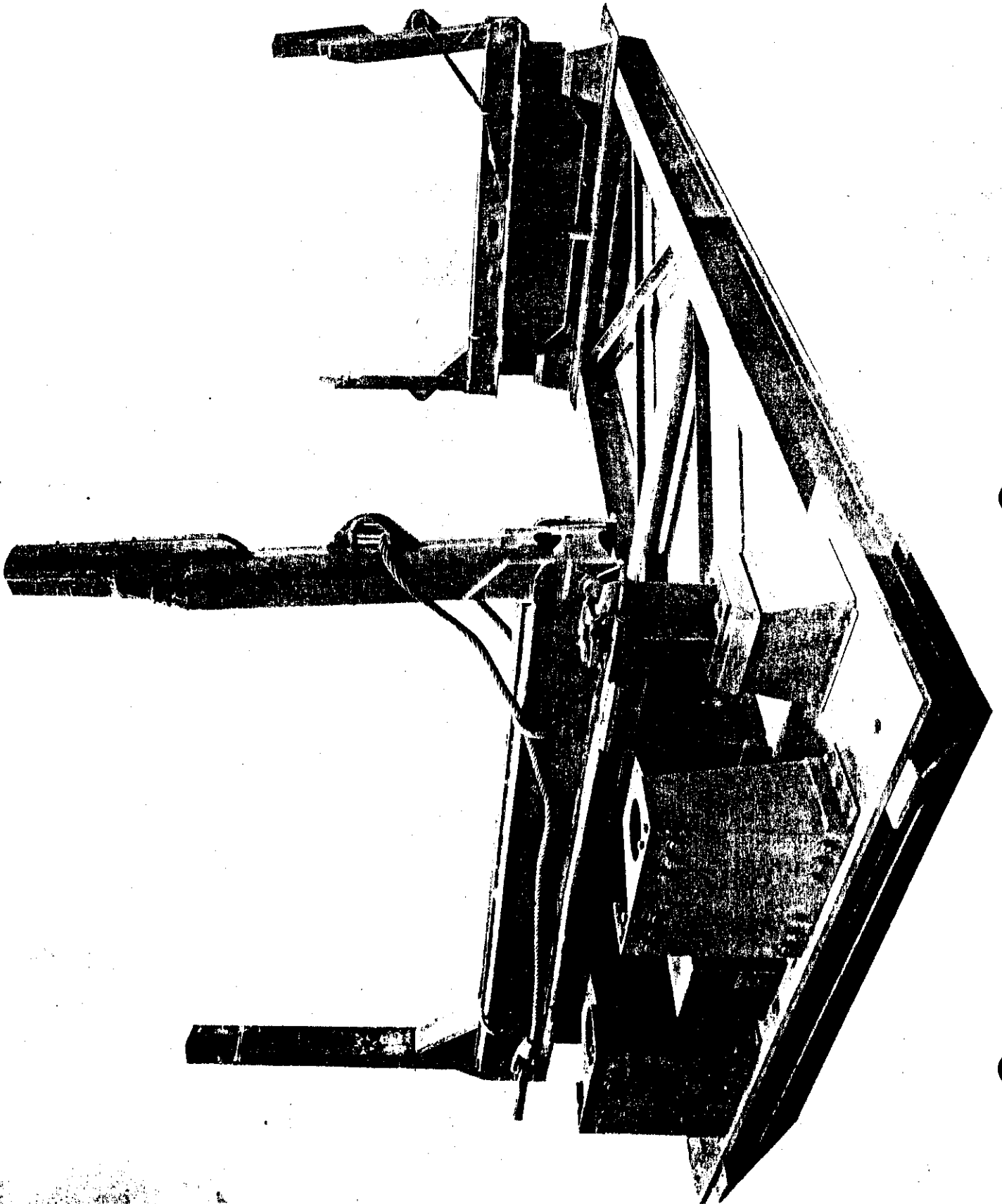
DEVICE DESCRIPTION: The weight support assembly of this scale consists of two U-shaped frames (bunks) suitably proportioned and spaced as to accommodate the log weighing operation. One vertical arm of each frame is hinged in order to facilitate loading and unloading of the scale.

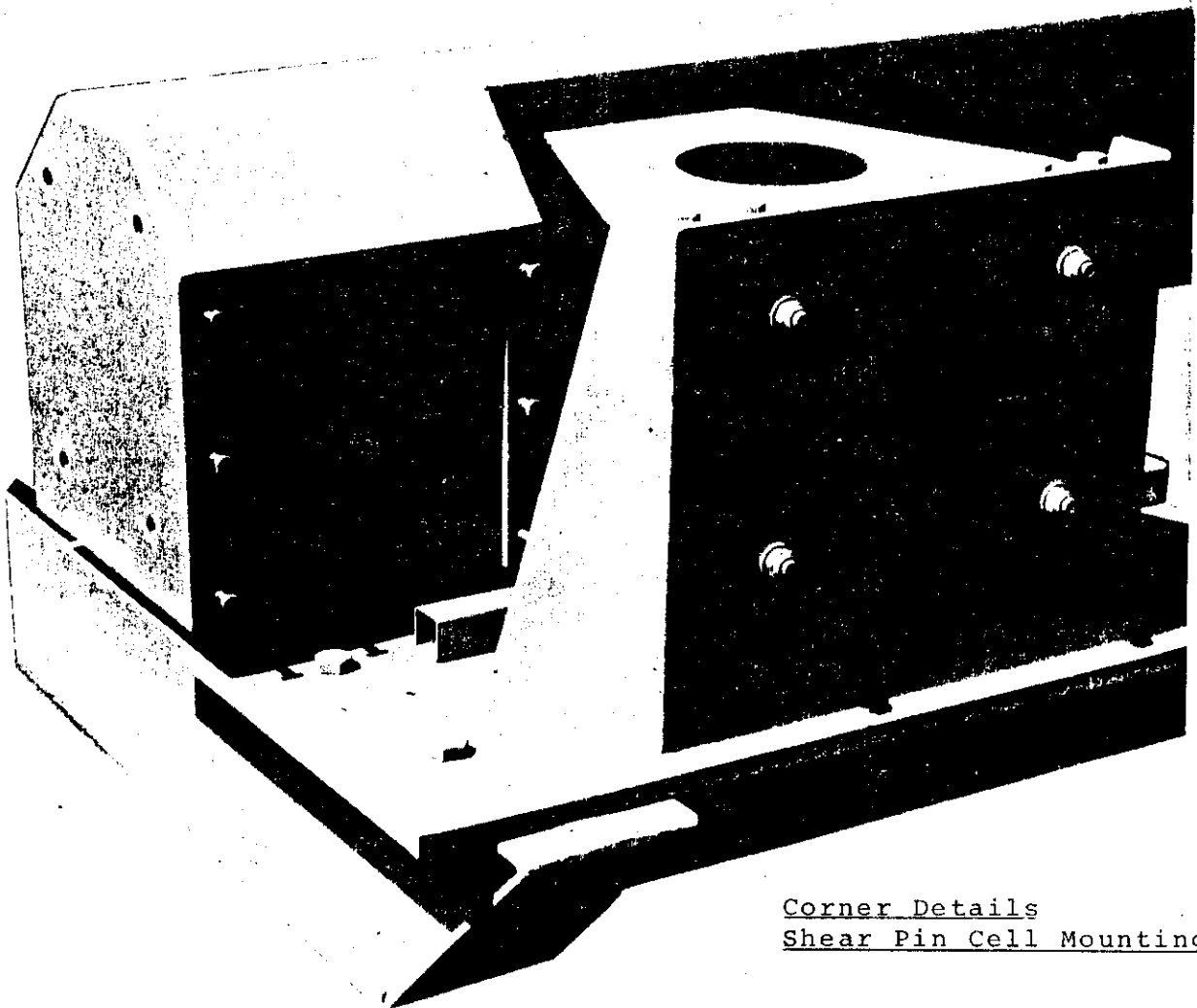
Each frame is borne on two load cells which may be either compression type or shear pin type, the former type being used on scales of early manufacture. The shear pin cells used in this scale are supported at both end and have the load applied at their mid-point by means of link suspension assemblies.

Restriction is provided by means of flexure plates connected between the weighbridge structure and the scale base. Two flexure plates are provided at each end of the scale.

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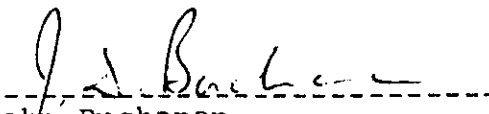
Corner Details
Shear Pin Cell Mounting

SPECIAL CONDITIONS: 1. The scale must be installed on a suitably prepared level area.

2. Commercial quality electrical power must be provided to operate the system.

FILE: G6922-M365-13

CONDITIONS OF APPROVAL: Approval is granted under the Weights and Measures Act., S.C. 1970-71-72, Chapter 36 and the Weights and Measures Regulations (C.1605) for use in Canada under the general conditions of the said Regulations and under any special conditions listed above.



John Buchanan
Chief, Weights and Measures
Legal Metrology Branch