DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

G-10

OTTAWA March 2, 1966.

NOTICE OF APPROVAL

FOR

CANADIAN METER COMPANY TYPES 80B IRONCASE AND ALUMINUMCASE TEMPERATURE COMPENSATED POSITIVE DISPLACEMENT GAS METERS

Apparatus

Badged Capacity	860 cu. ft./hr. (air)
Differential Pressure at badged capacity	0.5" w.g.
Capacity per revolution	0.833 cu. ft.
Working pressure:	
1) Type 80B Ironcase	20, 100, 250 and 350 p.s.i.
2) Type 80B Aluminumcase	100 p.s.i.
Base temperature	60°F
Diaphragm types	D3 or D-7B
Compensating tangent activity	0.001924"/°F
Connections (female)	2" N.P.T.
Tangent to 5 cu. ft. test dial revolution ratio	6:1

Description

The meters approved herein are identical to the series "80" meters approved under circulars SD-GA.146, SD-GA.147 (amended), SD-GA.159 and SD-GA.215, except for the following alterations:

(a) the conventional double adjustable tangent is replaced by the temperature compensating tangent illustrated herein.

(b) a permanent badge affixed to the meter reads "Temperature Compensated Meter Cu. Ft. at 60°F.

(c) types D3 and D-7B diaphragms are used only.

In operation the tangent length changes w ith the temperature change of the flowing gas, thus automatically adjusting the stroke of the diaphragms. The rate of change of tangent length with temperature is suitably chosen so that irrespective of the temperature of the flowing gas, meter registration indicates volume passed at 60°F. In field testing, the meter correction chart shall be used to establish the error of the meter

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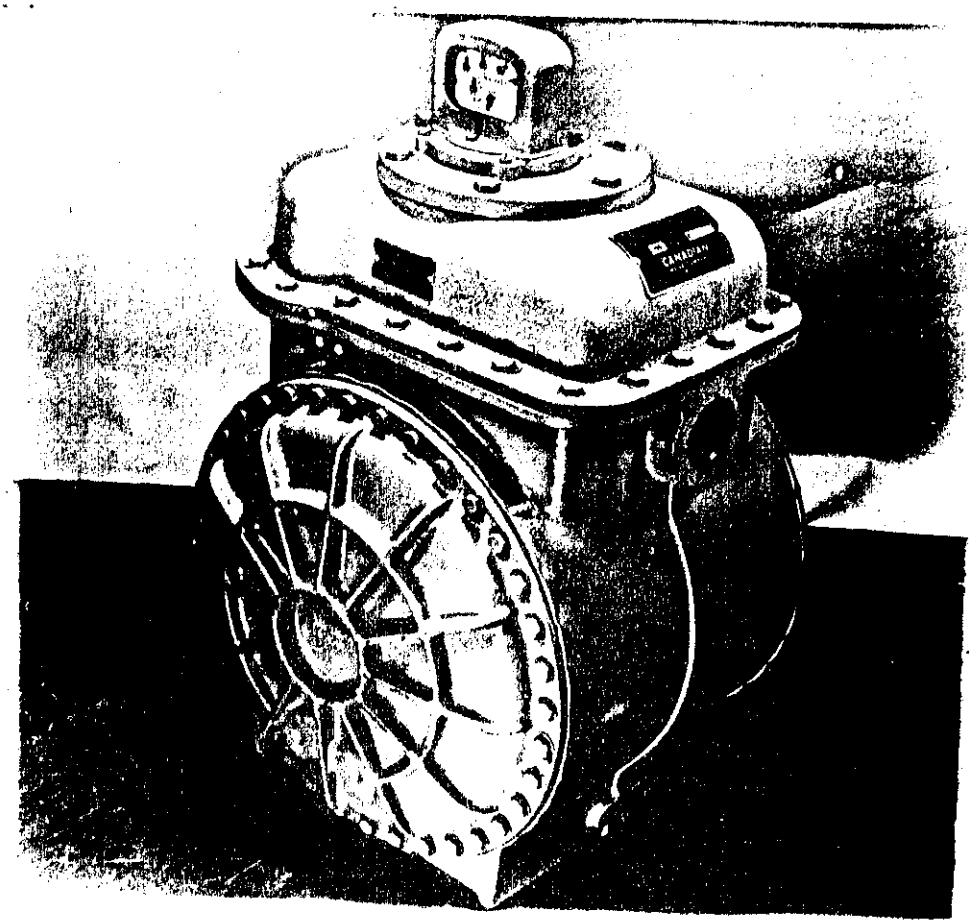
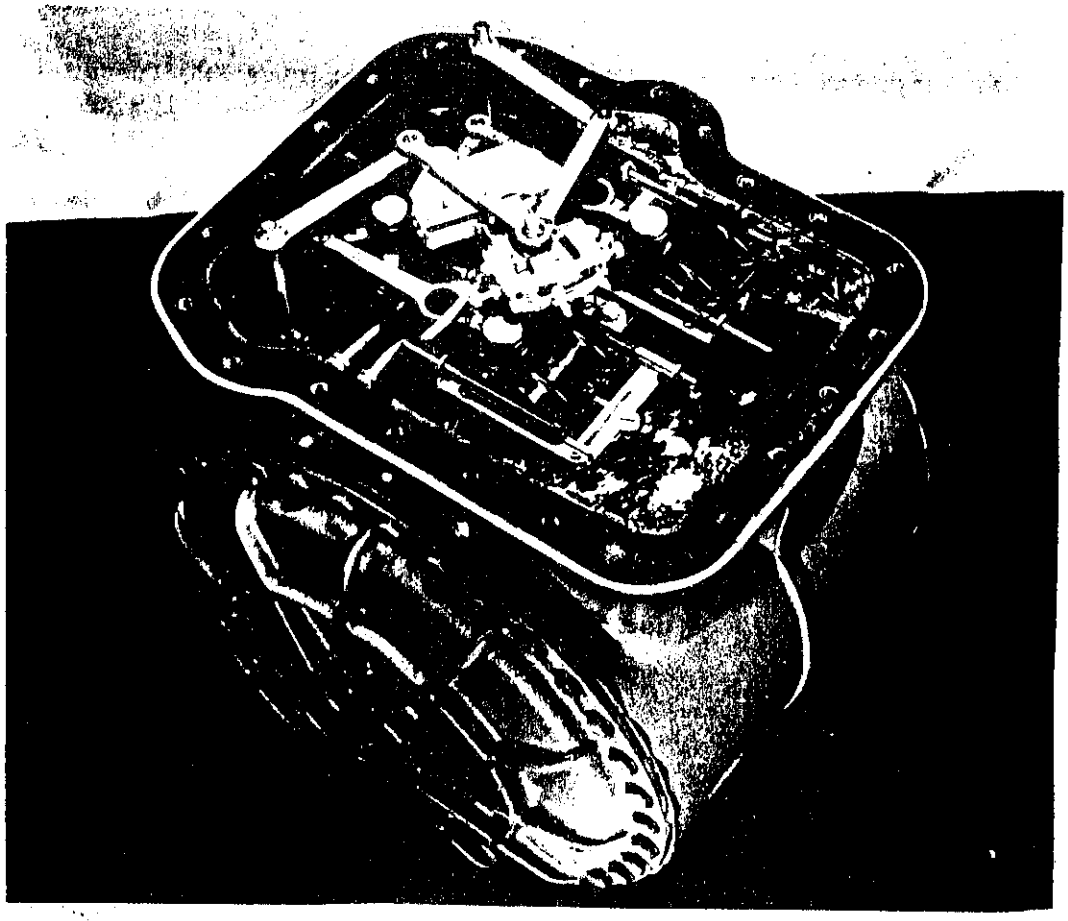
TEMPERATURE COMPENSATED POSITIVE DISPLACEMENT GAS METERS





Description (Con'd)

if test temperature differs from 60°F. The temperature compensated meters are intended for temperature range normally prevailing in outside locations across Canada during the seasons of the year.

Approval granted to The Canadian Meter Company Ltd.,
Milton, Ontario
and
Edmonton, Alta.

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