



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

G-14

OTTAWA October 21 1965

NOTICE OF APPROVAL

FOR

CANADIAN METER COMPANY TYPE DU 5000, TEMPERATURE COMPENSATED
IRON CASE POSITIVE DISPLACEMENT GAS METER

Apparatus

Badged capacity	4,000 cu.ft./hr. (air)
Differential pressure at badged capacity	0.5" water gauge
Capacity per revolution	2.857 cu.ft.
Working pressure	350 p.s.i.
Tangent to 10 cu.ft. test dial revolution ratio	3.5:1
Base Temperature	60°F
Compensating tangent activity	0.00324"/°F
Diaphragm types	D3 or D7B
Connections (female)	4" N.P.T.

Description

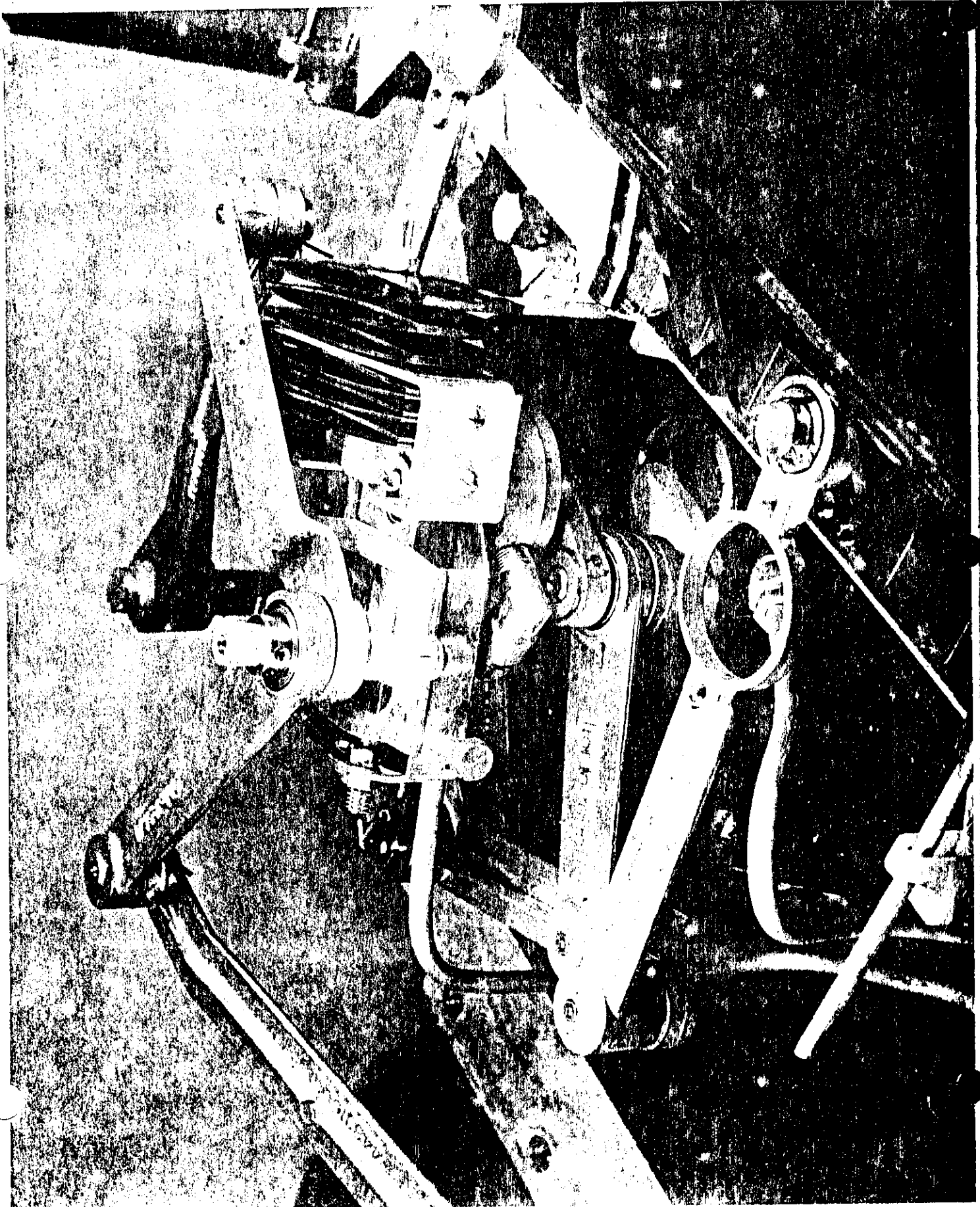
The meter approved herein is identical to the DU 5000 Gas Meter approved in Circular G-13 dated October 20th, 1965, except for the following alterations:

- (a) the conventional double adjustable tangent is replaced by the temperature compensating tangent illustrated herein.
- (b) the straight short flag arm is replaced by a suitably stepped arm to permit the use of the compensating tangent.
- (c) additional, permanent badge affixed to the meter reads "Temperature Compensated Meter Cu.Ft. at 60°F."
- (d) only diaphragms, type Duramic D3 or D7B shall be used.

In operation the tangent length changes with the temperature change of the flowing gas, thus automatically adjusting the stroke of the diaphragms.

CANADIAN METER COMPANY TYPE DP 5000, TEMPERATURE COMPENSATED
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Description (cont'd)

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 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, Ont. and
Edmonton, Alta.

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Ref: SL:100:619A