



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

OTTAWA February 28, 1962.

TYPE APPROVAL

PALMER TYPE SK-45-12120 TEMPERATURE RECORDER

The apparatus specified and illustrated herein has been duly approved by the Standards Branch under the provisions of the Gas Inspection Act, Chapter 129, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Temperature Recorder, Type SK-45-12120, manufactured by Palmer Thermometers, Inc., Cincinnati 12, Ohio, U.S.A. and distributed in Canada by Brooks Instrument Canada Limited, 32A Howden Road, Scarborough, Ontario.

Range of Apparatus:
 Temperature Range -40°F to +150°F
 Maximum length of capillary tubing 12 feet
 Maximum temperature span 120°F

Application: Measurement in distribution service of heating gases.

Description: The die-cast aluminum rectangular recorder case may be either wall or flush mounted. The case-compensated, mercury-filled thermal system comprises a stainless steel bulb and protecting well, a length of armoured capillary tubing connecting to an Invar rod and steel sleeve compensator which in turn connects to a flat Bourdon coil. Angular displacements of the free end of this coil are transferred through a linkage system into the pen movements on a recording chart.

The recorder may include chart drives of either:

- a) Spring-wound types with rotational speeds of 24 hours, 7 days or 8 days per revolution; or
- b) Synchronous electrical drives, rated for 110 volts, 60 cycles per second providing rotational speeds as for mechanical drives above.

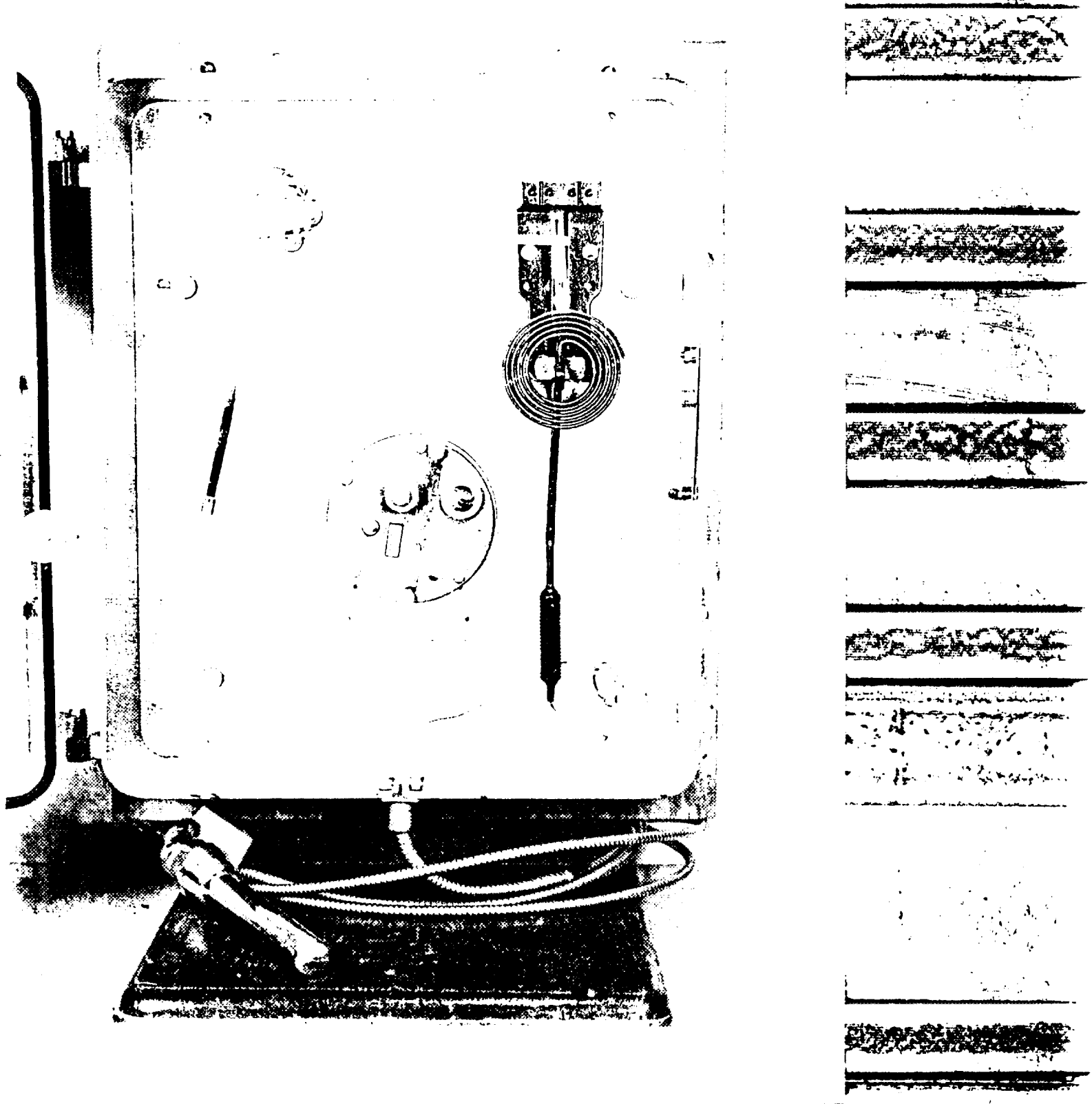
E. F. Power

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 Chief, Electricity & Gas Division,
 Standards Branch.

R. W. MacLean
 R. W. MacLean,
 Director,
 Standards Branch.

Ref: A-912

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TYPE APPROVAL

PALMER THERMOMETERS INC. - CHARTS

The charts specified herein have been duly approved by the Standards Branch under the provisions of the Gas Inspection Act, Chapter 129, R.S. 1952, and may be admitted to verification in Canada.

Charts Approved: Charts manufactured by Technical Charts, Buffalo, N.Y. for Palmer Thermometers, Inc., Cincinnati 12, Ohio, U.S.A., and distributed in Canada by Brooks Instrument Canada Limited, 32A Howden Road, Scarborough, Ontario.

Scope of Approval: This approval covers only those charts intended for use on approved devices. Any chart used on an approved device shall be suitable for the purpose for which it is used and the approval is subject to review when the meter or device is verified, or when samples are called for at any time by the Standards Laboratory. The charts shall bear the name or trade mark of either 'Technical Charts', Buffalo, or 'Palmer Thermometers, Inc.', Cincinnati 12, Ohio, and a number identifying the particular chart.

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