



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

T-28

OTTAWA October 19, 1967

NOTICE OF APPROVAL

FOR

MOLONEY TYPE "RM" CURRENT TRANSFORMERS

Apparatus

Primary Currents Single Ratio	400, 500, 600, 800, 1000 and 1200 amperes
Dual Ratio	600/400, 800/400, 1000/500, 1000/600, 1200/600, and 1200/800 amperes
Secondary Current	5 amperes
Accuracy Rating	0.3B0.1, B0.2, B0.5, B0.9, B(2x0.9), B1.0; 0.6B2.0
Voltage Rating *	2.5 kv to ground
Rating Factor #	2.0
Frequency	60 hz
Wire	2
Style	Bushing

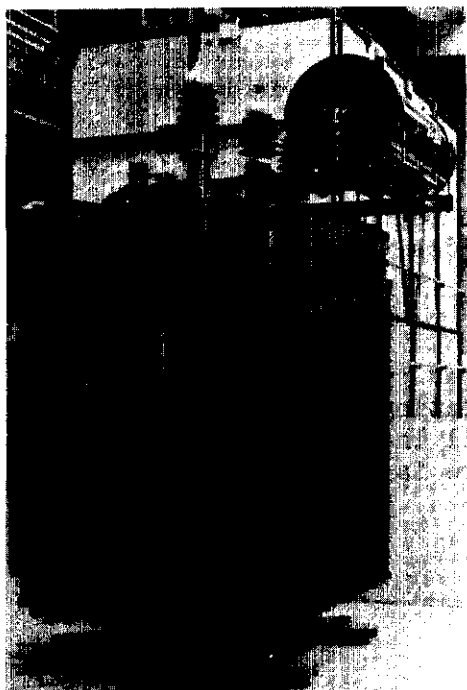
o 0.3B0.9 or 0.6B(2x0.9) is marked on the nameplate. For Ontario Hydro, "B1.8" which is the equivalent of "B(2x0.9)" may be marked.

* The transformer is insulated for 2.5 kv only, but may be used on voltages up to 69 kv when mounted on a bushing which provides the major part of the insulation.

The accuracy rating given above holds to 10 amperes secondary current R.F. 2.0, and when immersed in oil the thermal rating is also 2.0; but when mounted in a confined space above the oil in a power transformer the thermal rating factor is reduced to 1.0. There is no change in the accuracy rating under this condition.



"RM"
TYPICAL BUSHING CURRENT TRANSFORMER INSTALLATION
Undercover view illustrating the method of mounting
used for bushing current transformers. The wiring
terminates on bushings which carry the circuit
through the cover wall to the external outlet box.



Typical Moloney
Power Transformer



Description

This type of current transformer is manufactured normally for use in power transformers. The annular core is wound from a continuous strip of cold rolled grain-oriented silicon steel which is subsequently annealed to restore the optimum magnetic characteristics that may have changed during the winding process.

The core is completely insulated and then the turns are uniformly distributed around the core using crepe paper tape where required, after which the outside of the winding is insulated by axial cotton taping, dried and impregnated with insulating varnish which is cured by baking.

The nameplate on the power transformer will include diagrams indicating polarity and terminal numbers along with the serial numbers of the Type "RM" current transformers installed in the unit.

These transformers are marked as "bushing" type in the illustration but this will be changed to type "RM".

Approval granted to:

Moloney Electric Company of Canada Limited,
213 - 219 Sterling Road,
Toronto, Ontario.

L. S. Anderson

(for) Chief Standards Laboratory
Standards Branch.

W. J. S. Fraser

W.J.S. Fraser,
Chief, Electricity and Gas Division,
Standards Branch.

Ref. SL-100-880F