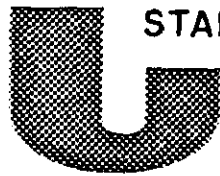


Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-745

OTTAWA January 9, 1970.

Approved: AUTOMOTIVE OIL DISPENSING METERS - ALEMITE - STEWART WARNER

manufactured by Stewart-Warner Corporation of Canada Limited, Belleville, Ontario.

Apparatus Listed: Meters for automotive lubricants, such as crankcase oil, gear oil, and automatic transmission fluid; models as listed below:

<u>New Model Number</u>	<u>Original Model No.</u>	<u>Description</u>
C-3682-B1	C-3682-B	Dial 0 to 8 pints; no totalizer
C-3683-B1	C-3683-B	Dial 0 to 8 pints; totalizer in pints
C-3685-C1	C-3685-C	Dials 0 to 4 and 0 to 16 quarts; totalizer in quarts.

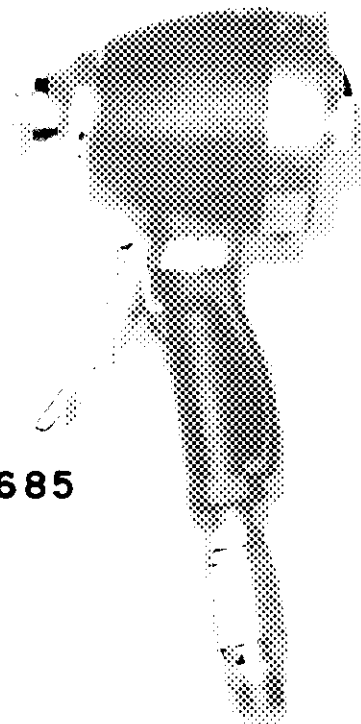
The first two meters under their original model numbers are approved on circular S.WA-305, and model C-3685-C is approved on circular S.WA-314. These models have been modified to use a universal body assembly and the suffix "1" added to the model number to designate the change. Models 3682-B1 and 3683-B1 include a 360° swivel type nozzle assembly. All use Stewart Warner meters.

CB-3680-B (for gear oil)	C-3680-B	Dial 0 to 8 pints; no totalizer, stationary type (pump-mounted)
CB-3683-B (for gear oil)	C-3683-B	Dial 0 to 8 pints; totalizer in pints; pistol grip design.
CB-3684-C (for motor oil)	C-3684-C	Dials 0 to 4 and 0 to 16 quarts; totalizer in quarts.
CB-3685-C (for ATF)	C-3685-C	Dials 0 to 4 and 0 to 16 quarts; pistol grip design.

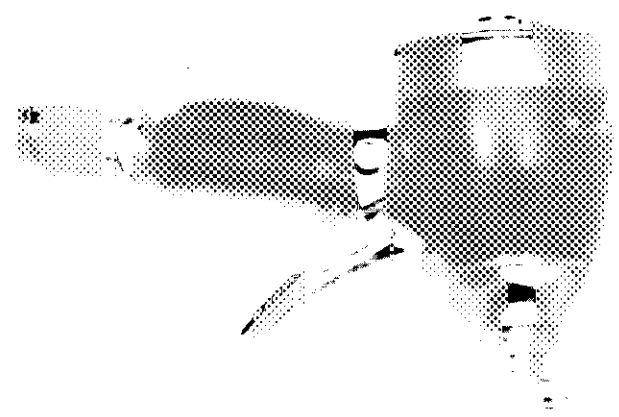
The foregoing meters now use Badger meters and housings instead of Stewart-Warner meters used previously. The model C-3685-C, although previously approved with the Badger meter on S.WA-600 was never marketed.

STEWART-WARNER - AUTOMOTIVE LUBRICANT METERS

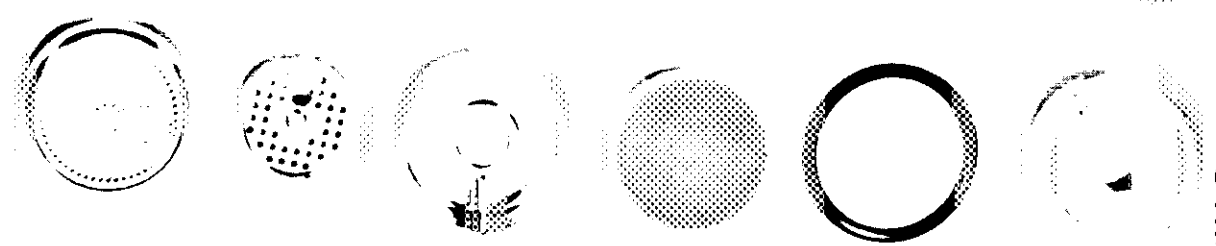
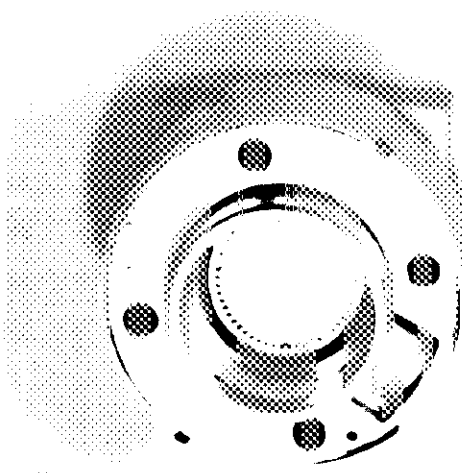
SW.A-745



PATTERN 3685



PATTERN 3682 AND 3683



INTERNAL PARTS

Rating of Apparatus: Maximum $4\frac{1}{2}$ gpm and minimum $\frac{1}{2}$ gpm for all models.

Application: Dispensing gear oil, motor oil and automatic transmission fluid in retail trade.

Conditions: The pump supplying oil to the meter must be equipped with a float valve which will close and stop the pump from drawing liquid before the liquid level is low enough for air to be entrained, or some other equally effective device in lieu of a float valve. All nozzles must be equipped with anti-drain valves or their equivalent, and all pumping units with non-return check valves to keep the hose under pressure and prevent air from being drawn in backwards through the meter under certain conditions of operation.

Description: The meters employ the oscillating-piston type metering element. Mechanical clearances are kept small so that a meter in tolerance on SAE 10 oil will be in tolerance also on SAE 90 oil and, of course, on the various grades in between.

Testing: The standard tests for a small capacity meter shall apply.

References: SW-85-S1
SL-102-172
Letters of approval of June 5, 1969 and October 2, 1969.

Note: Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.

(for) *I. C. Anderson*
Chief,
Weights & Measures Division,
Standards Branch.

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