



DEPARTMENT OF TRADE AND COMMERCE  
STANDARDS BRANCH

D.W.A-736

OTTAWA, October 31, 1968.

APPROVED : REDARD - CALIBRATION MARKER FOR VEHICLE TANKS

manufactured by: Redard Trailer and Body Limited, Montreal, Quebec.

Apparatus listed: Single marker assembly for vehicle tank compartments.

Rating of Apparatus: This assembly may be used in any vehicle tank compartment for which it is suitable.

Conditions: The marker assembly shall be located sufficiently close to the centre of the compartment, both laterally and longitudinally, that if the vehicle tank is off level by 1° the error in capacity does not exceed  $\pm 0.125\%$ .

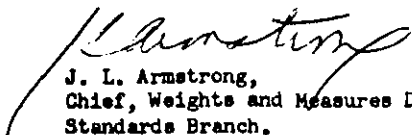
Description: This marker assembly is designed to be bolted to a suitable, rigid support, which in turn is welded or brazed to the dome opening neck.

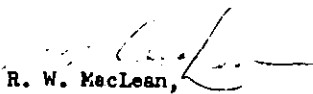
When a finger has been adjusted to the proper level, it is sealed by passing sealing wire through a hole at the top of the stud, between the castellations of the castellated nut, and through the two holes at the top of the bracket, and sealing with a lead seal. The plain nut is welded onto the stud at the time of assembly, so that it cannot be turned. When the castellated nut is tightened and sealed, no vertical movement of the stud is possible. The finger is restrained from turning on the stud by the marker bracket, which passes through a guide in the back of the finger.

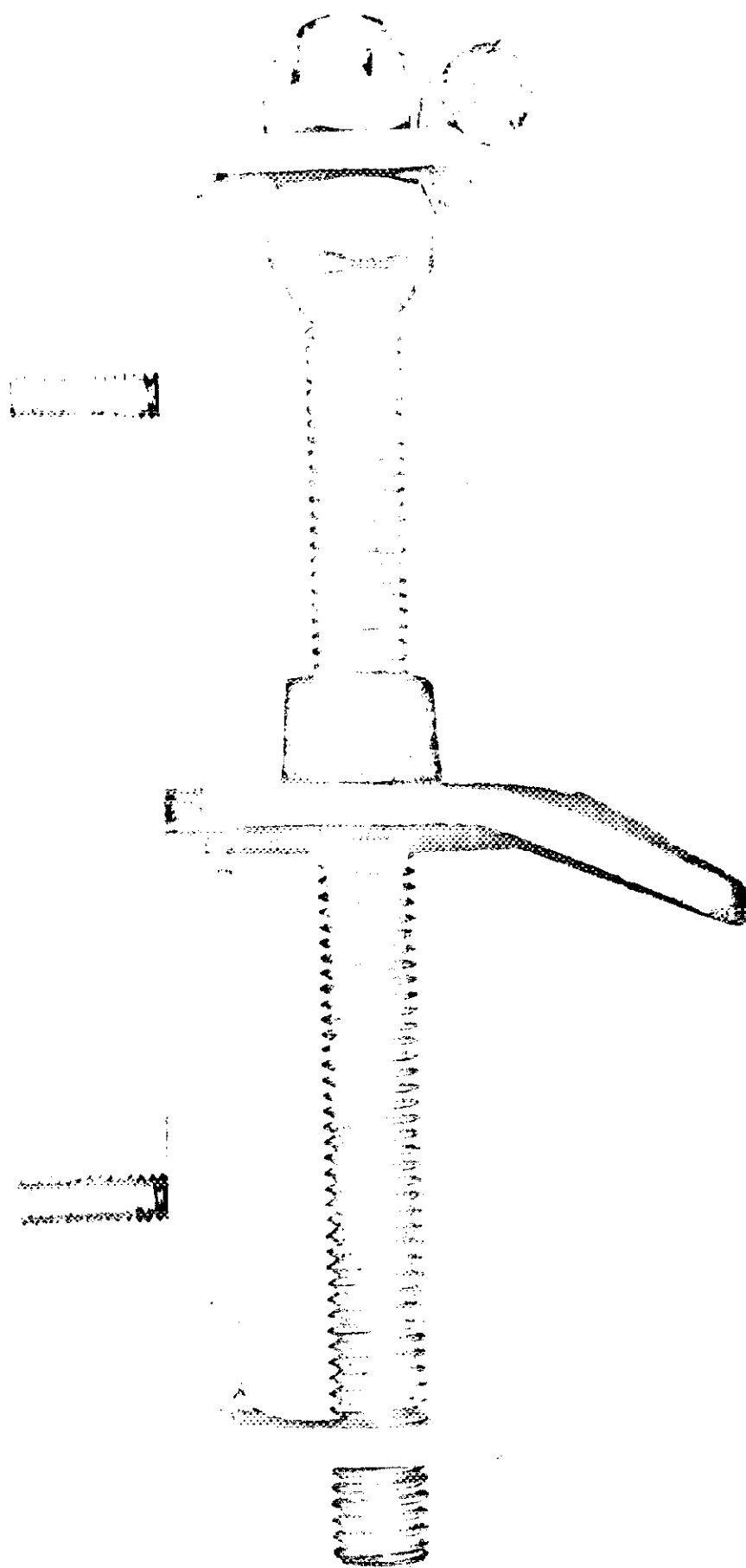
Testing: When calibrating a vehicle tank using this marker, the support bracket should be checked to ensure that it is rigid and properly attached to the dome opening neck by welding or brazing. Markers cannot be welded directly to the dome neck, as this means of support is generally inadequate. The marker should be adequately spot-welded to the support bracket so that it is not easily broken off by loading spouts. As an alternative, the marker may be bolted to the support bracket with the two  $\frac{1}{4}$ " dia. bolts provided, and sealed to it with a lead wire seal, or spot-welded lightly to prevent re-location.

Reference: SW-1R-1

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.

  
J. L. Armstrong,  
Chief, Weights and Measures Division,  
Standards Branch.

  
R. W. MacLean,  
Director,  
Standards Branch.



1. The calibration marker shall be made of stainless steel.  
2. The calibration marker shall be made to the following dimensions:  
3. The calibration marker shall be made to the following tolerances:  
4. The calibration marker shall be made to the following surface finish:  
5. The calibration marker shall be made to the following material specification:  
6. The calibration marker shall be made to the following drawing:  
7. The calibration marker shall be made to the following drawing:  
8. The calibration marker shall be made to the following drawing:  
9. The calibration marker shall be made to the following drawing:  
10. The calibration marker shall be made to the following drawing: