

HERRON TESTING LABORATORIES, INC.

Consultation and Testing

5405 EAST SCHAAF ROAD - CLEVELAND, OHIO 44131

Phone: 524-1450

December 1, 1967

APEX WELDING, INC.
Box 199
Bedford, Ohio 44146

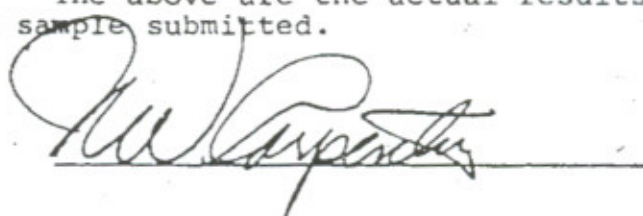
SUBJECT: Proof Load of Apex Crane Dumping Bucket
Bale Handle Submitted.

PROCEDURE: The crane dump bale handle was hung from the upper head of a testing machine on a 2-inch diameter bar at the hook suspension area. Loading was by a 1.5-inch diameter bar, extending through both pin holes, the stress being applied in 5000 lb. increments to a maximum of 30,000 lb. The handle was examined at each increment.

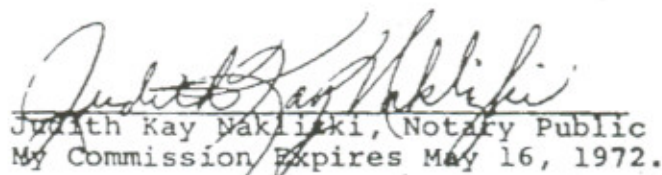
RESULTS: No failure resulted from the 30,000 lb. proof load. Measurements made before, during and after the test indicate that no permanent deformation resulted from loading. Deflection was less than 1/16 of an inch at the 30,000 lb. load.

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The above are the actual results obtained by us on the sample submitted.



Sworn and subscribed to before me
this 1st day of December, 1967.



Judith Kay Nakielki, Notary Public
My Commission Expires May 16, 1972.

