The 3,000,000-lb Southwark-Emery... serving today’s technology needs

Research

- High-pressure compaction of biomass—switchgrass and miscanthus
- Strength of spliced I-beams
- Crane hook proof testing
- Load cell calibration
- Failure testing of wood trusses, TAM 195
- Plastic deformation of I-beam, TAM 436
- Steel-to-steel force testing
- Concrete testing, CEE 300
- Leak detection in mechanical seals
- Hydraulic ram calibration to 3 million lb

Teaching

- Strength of MRI shells
- Critical MRI component
- Tension
- Load cell calibration
- Load pin calibration
- Failure testing of girder-plate beam
- Concrete testing, CEE 300
- Concrete testing, CEE 200
- Nuclear reactor waste containment seal
- High-speed images (100 frames/s) of 5-in.-dia. bar immediately after failure at 1 million lb

Public service

- Machine assembly, 1959
- Riveted joint tests, ~1960
- Nathan Newmark, William Mu
- American Institute of Steel Construction
- Nathan Newmark, William Mun
- American Institute of Steel Construction
- Leak detection in mechanical seals
- Load cell calibration
- Load pin calibration
- Liquid tight testing
- Concrete testing, CEE 300
- Concrete testing, CEE 200
- Nuclear reactor waste containment seal
- High-speed images (100 frames/s) of 5-in.-dia. bar immediately after failure at 1 million lb

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