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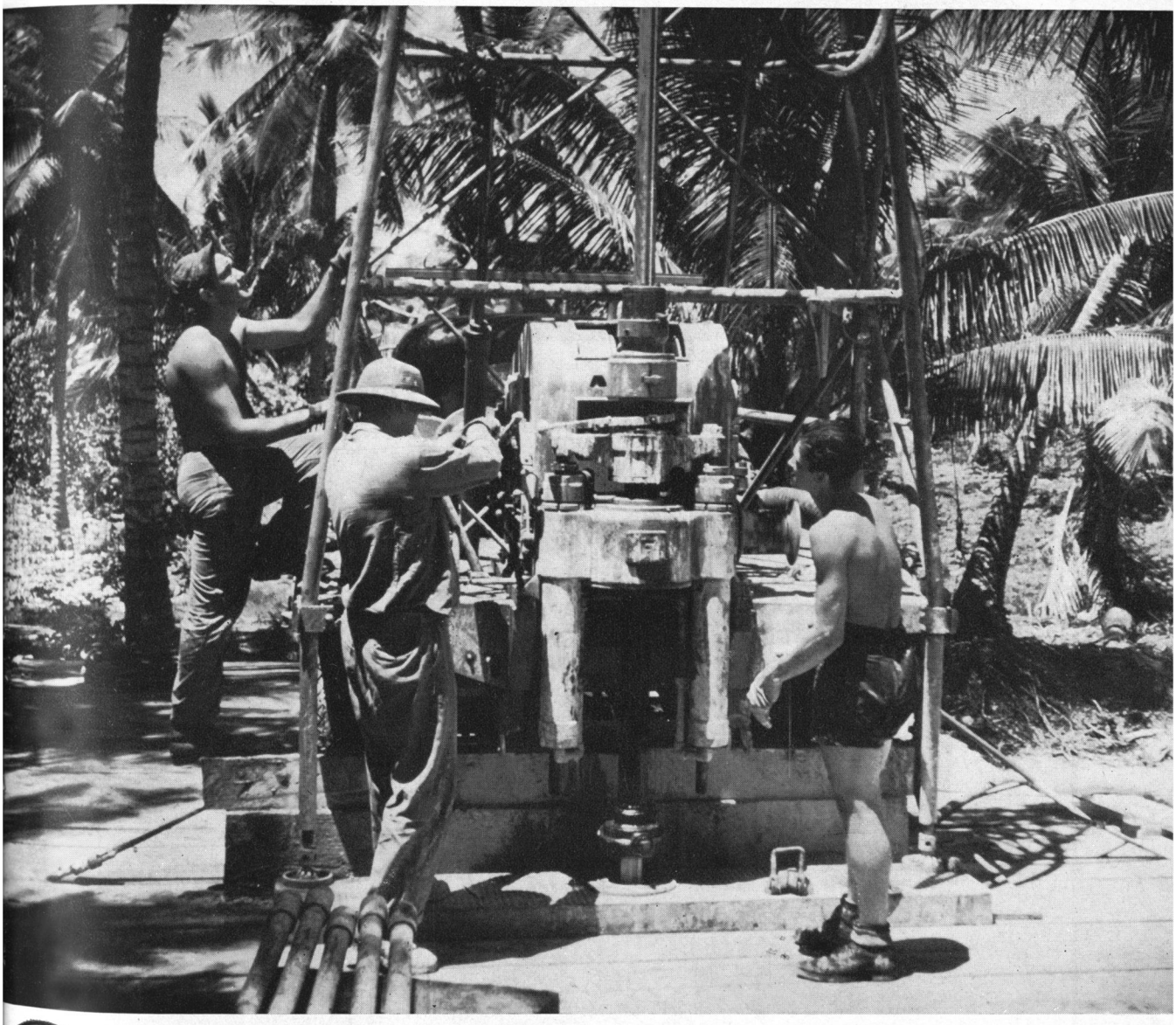
Science

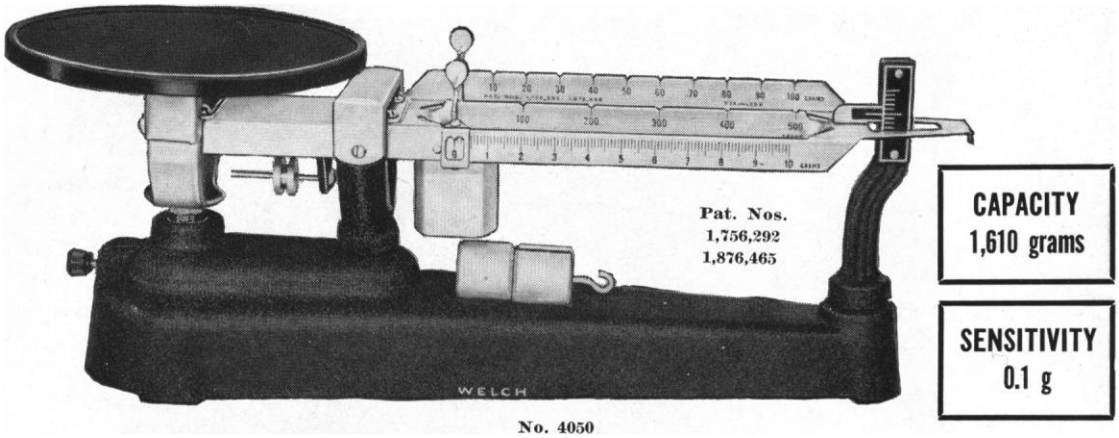


Core Drill Set Up Over Hole No. 2B at Bikini

(See *page 51*)

WELCH designed for ENDURING SERVICE

STAINLESS STEEL TRIPLE BEAM TRIP-SCALE



CAPACITY
1,610 grams

SENSITIVITY
0.1 g

No. 4050

• STAINLESS STEEL BEAMS • COBALITE KNIFE EDGES
• AGATE BEARINGS • SPEEDY • ACCURATE • DURABLE

★ ★ VITAL FEATURES ★ ★

Stainless Steel

The beam and all exposed parts are of stainless steel, which is practically noncorrodible by laboratory fumes. In fact these stainless steel parts have been placed in the following solutions for one month: Ammonium Hydroxide, Chromic Acid, Formaldehyde, Hydrogen Sulphide, Sodium Hyposulphite, Nitric Acid, Sodium Chloride, Molten Sulphur, and Sulphuric Acid, and at the end of that period showed a total penetration of less than .0003" for any solution. This resistance of stainless steel insures for many years bright, clear, easily read scales, while the old designs with ferrous or nickel beams become unreadable in a comparatively short while. This exclusive advantage in the Welch balance will be appreciated by all laboratory directors. Because of the use of Stainless Steel, it is possible to have fine, sharp lines, which are easily read. Every tiny screw, rivet or nut, in this balance is of stainless steel.

Beam Arrest

A beam arrest button is at the left end of the base thus providing for rapid, accurate weighing. The feature is particularly valuable, for the novice may learn on this comparatively rough-weighing scale that the damping device should be handled gently so as not to throw the beam and increase rather than decrease the oscillations.

Covered Bearings

The stainless steel cover is provided so that no materials can fall into the agate bearings which support the Cobalite knife-edges. This feature will be particularly appreciated in the chemistry laboratory where so often balances of this type are ruined, and particularly those with ferrous knife-edges or bearings, by some of the salts falling on the knife-edges and into the bearings.

Cobalite Knife-Edges

The knife-edges are hard, corrosion-resistant Cobalite, a cobalt-chromium-tungsten alloy. Heretofore these were only found in "extra-cost," high-grade analytical balances. In industrial applications the remarkable performance of this hard, corrosion-resistant material is well known.

Complete with two extra weights, Each $18.00

W. M. WELCH SCIENTIFIC COMPANY
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Manufacturers of Scientific Instruments and Laboratory Apparatus