

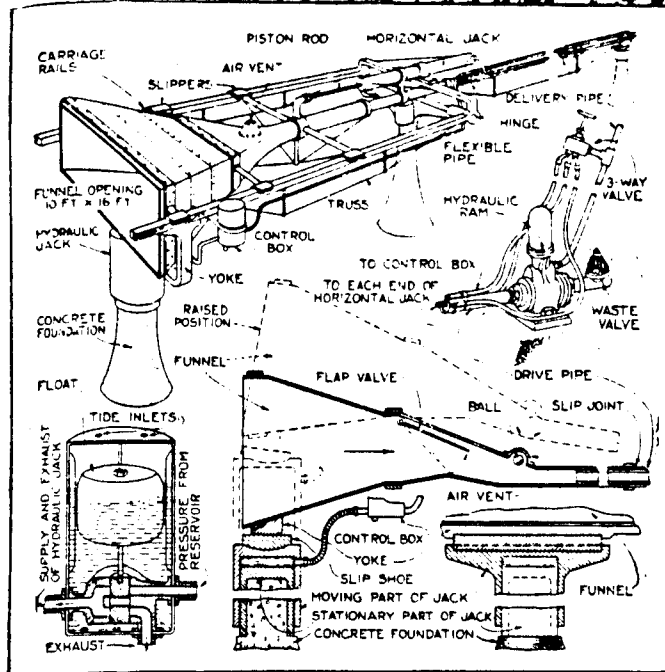
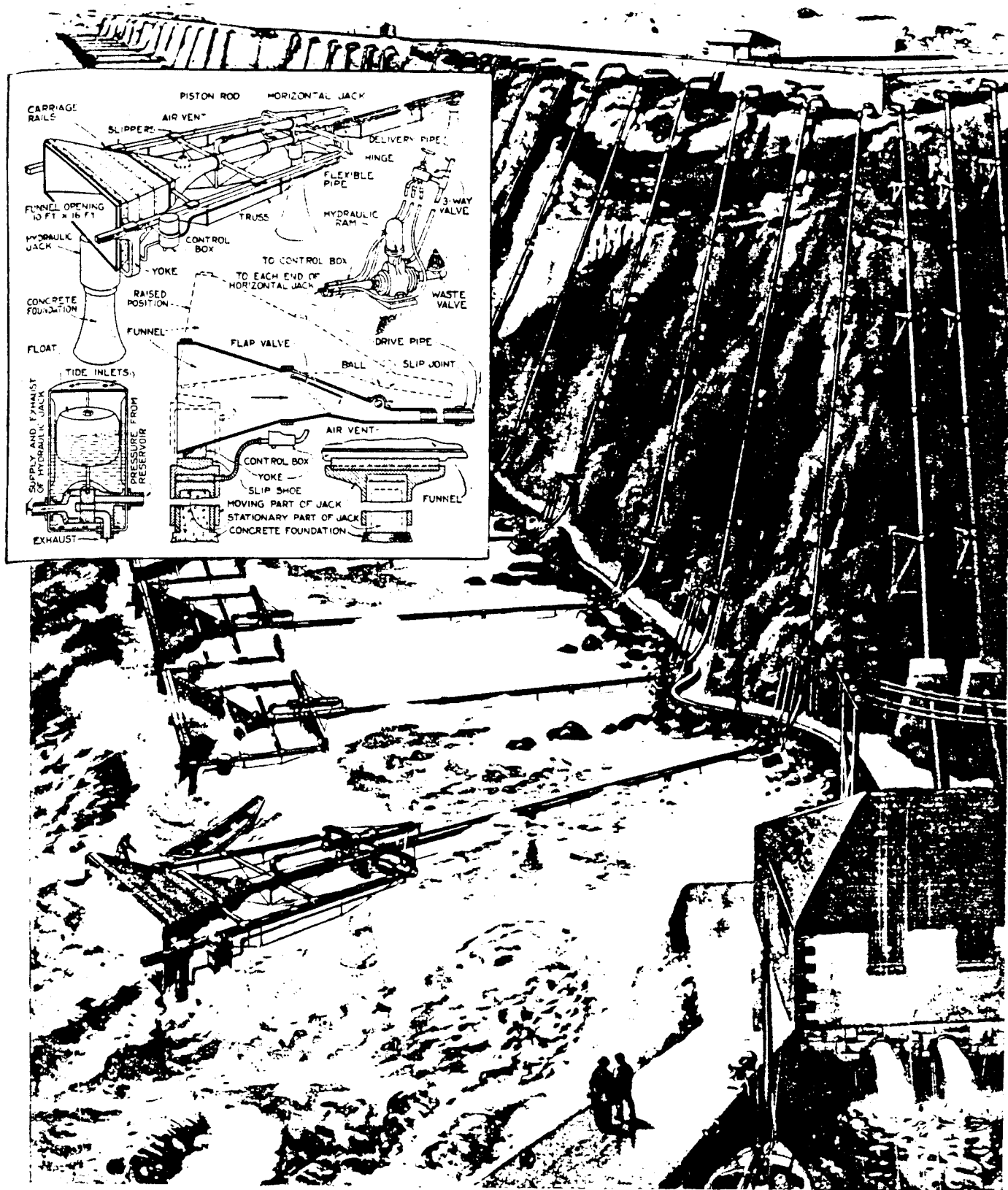
# **ACOUSTIC POWER DEVICES**

**2<sup>nd</sup> Edition**

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TO LET the ocean waves do the work of man by providing hydroelectric power, Lieutenant Commander Lybrand Smith, of the Navy Department's Bureau of Engineering, has designed an amazingly ingenious battery of hydraulic rams, illustrated by this schematic drawing and the accompanying diagram.

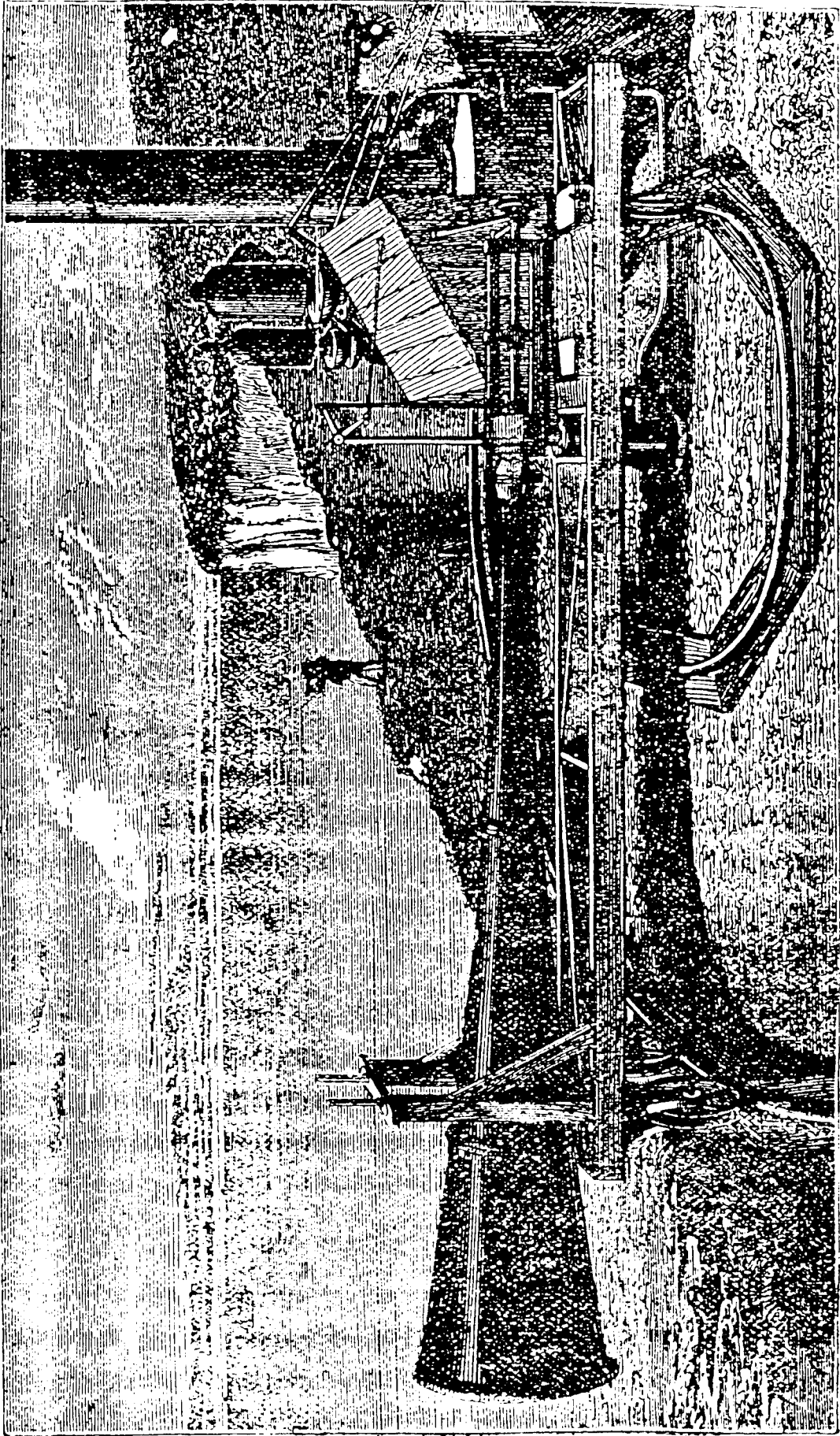
The drive of the waves into the great funnels forces the water through pipes up the cliff into the long flume along the

## Sea Waves to Drive Novel Power Plant

edge of the cliff. This flume carries the water into the reservoir, from which the accumulated water pours down larger pipes with sufficient force to operate the generating machinery in the power house below.

The hydraulic rams operate hydraulic

jacks which are simply valves so arranged that the water forced into them by each successive wave does not fall back when the wave's strength is spent, but is locked in to remain until more water is forced in by the next wave. Each valve, like a door that opens but one way, is pushed open by the water's force. When the force is exhausted the weight of the water closes the valve, holding it shut until the next wave presses hard enough to open it.



T'oo-SIREN