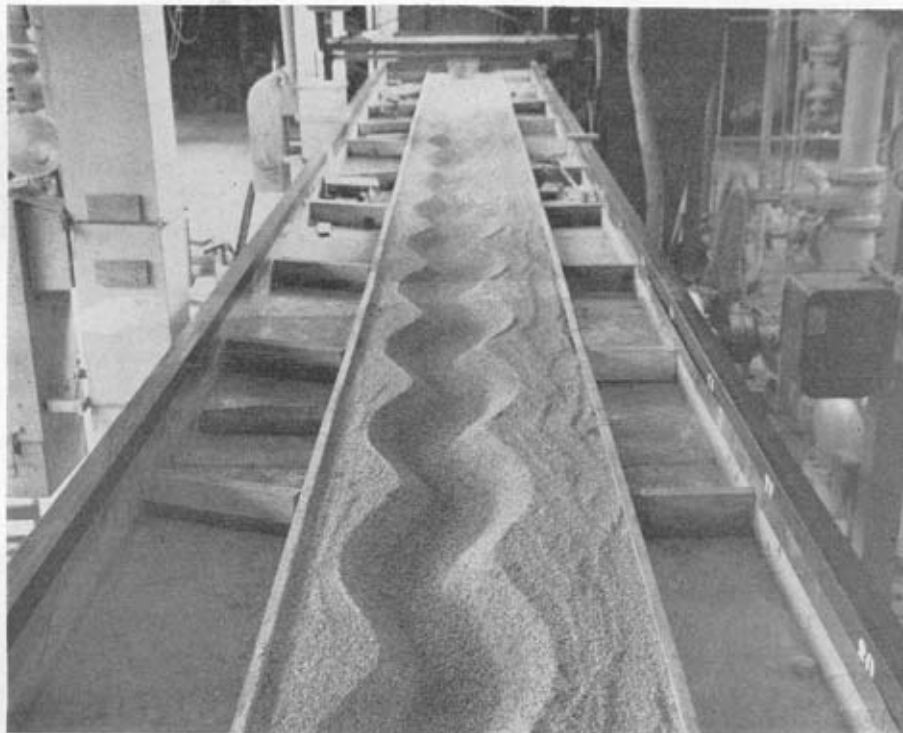


This channel was used to measure skin friction due to grain roughness for later comparison with resistance due to channel sinuosity.



This channel has a repeating distance of 2 feet and a semi-amplitude of 0.3 foot.

STRAIGHT AND SINUOUS CHANNELS MOLDED IN SAND IN FLUME



EXAMPLE OF SPILL PHENOMENON IN A NATURAL RIVER AS A RESULT OF A RANDOM BANK PROJECTION

Note turbulent zone (a) just downstream from tip of sod projection (b), where water has spilled from the super-elevated position (c) into a depression. Stream is Baldwin Creek near Lander, Wyo., flowing somewhat less than bankfull. Dis-

charge is 69 cfs. View is diagonally downstream. Projection is piece of sod bank which fell into channel. Its tip is about 3 feet from the average bank.