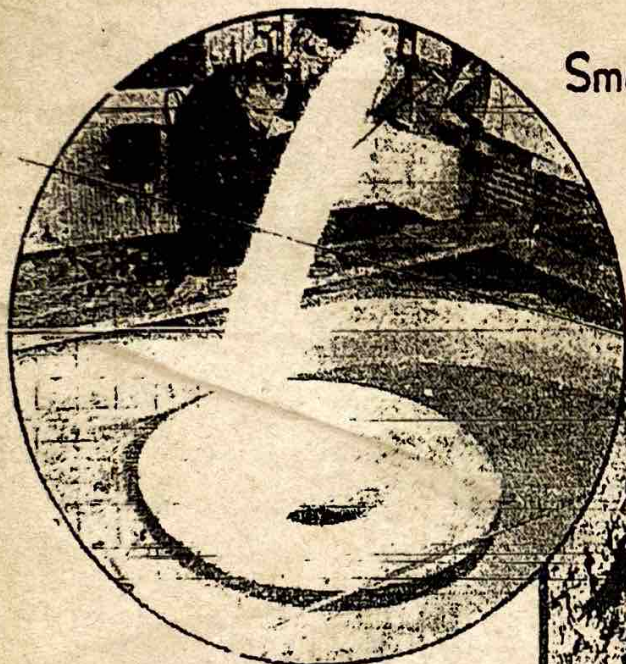


# Little Toys Help Engineers Build World's Largest Dam

Small scale models are playing an important part in the design of the 1,000,000 horsepower Hoover Dam, and the gigantic Boulder Canyon irrigation project to be started next month



Made of soft clay after scale of the Hoover Dam, this model is so small that it can be held in the palm of a hand. Yet when water is poured over it, it flows over the dam and into the powerhouse, just as the water will do in the completed dam. When it rushes into the powerhouse, it will generate 1,000,000 horsepower. H. D. Fox, irrigation engineer, watches a model of the water in the model built under the Hoover Dam, Colorado.

By AGNES WRIGHT SPRING

**A** MASSIVE wall, towering 727 feet almost as high as the Woolworth Tower, diminished to the height of a small boy in scale, enormous concrete tunnel, through which two street cars could run abreast, reduced to a Lilliputian tube with the radius of an ordinary barrel stave! Such are the small-scale models of the Hoover Dam now under experimentation in laboratories at Boulder and Fort Collins, Colorado.

Although these models of the dam and diversion works are on so reduced a scale, engineers in charge of the work, with great accuracy and at comparatively small cost, by observing them solve various problems of the actual construction of this stupendous engineering feat to be started in April in the Boulder Canyon project.

Hundreds of thousands of dollars will be saved to the government in the building of the Hoover Dam, as the result of

