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H. H. WINDSOR, Founder

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Check and Double-Check

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BENNY HOWARD, test pilot who is putting the forty-two passenger, 65,000-pound Douglas DC-4 through its paces says test-flying a new airplane is not the dashing, heroic business which most people think it is. A test pilot, it seems, does not whisk an unproved plane into the sky and try to dislodge an engine or snap a wing. The whole idea of testing is to put a plane through its paces safely. If the stalling characteristics of the DC-4 are to be determined, Mr. Howard does not take this flying laboratory and its tons of instruments aloft, point its nose straight up and await developments. He creeps up on the stall. As a result, when he stalls, he knows how he is going to get out. In "Check and Double-Check" in the February issue, Mr. Howard takes you for a test flight in the biggest land plane ever constructed on this continent.

Next Month

ONE of the most difficult tunneling jobs in construction history is nearly completed—a thirteen-mile bore through rugged Mount San Jacinto, east of Los Angeles. This tunnel is the major link in a 400-mile chain of tunnels, canals, siphons, conduits and distributing lines which will transport a million gallons of water daily. An article in the February issue tells how human moles have licked "ol" man mountain."

Taming a Wild River

Colorado was known as America's wildest stream. Today this renegade among rivers has been tamed. Its once destructive energy is harnessed to do monumental tasks and the puny hands of a few score of men, backed by the mighty strength of Boulder dam, now direct its almost limitless force. An article next month describes the operation of the dam which has tamed the Colorado.

Man's Mightiest 'Eye'

THE greatest telescope ever dreamed of, a \$6,000,000 giant that "couldn't be built," soon will be sweeping the skies. Among other things, astronomers hope to discover millions of new star systems. The 200-inch reflecting telescope on Mount Palomar in California is described next month in an article illustrated by eight pages of Coloroto pictures.

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