

**WIND TUNNEL
TO TEST AIR LAWS**

**New Aeronautical Laboratory
to Help Designers.**

Pasadena, Calif.—If it isn't handy to do scientific experiments on an airplane rushing through the air at 100 miles an hour, then rush the air 100 miles per hour past the stationary plane. Such in brief is one plan of the new aeronautical department of the California Institute of Technology. Thanks to the munificence of the Guggenheim foundation, its elaborate aeronautical laboratory, now rapidly approaching completion, promises to aid in bringing aeronautic design into the domain of exact science.

The new plant includes a large wind tunnel, wide enough to admit a small airplane. Powerful motor-driven blowers deliver a blast of air into one end of the tunnel and withdraw the same air from the opposite end. The blast thus makes a continuous circuit within the building like a well-regulated tornado. The airplane, however, as far as the experimenters are concerned, is traveling at high speed—admitting that motion is purely a relative matter.

In the wind tunnel a variety of problems on shape, size and thickness of planes, wings, rudders, etc., will be tested, both in the interest of stability as well as lifting power and speed. Preliminary calculations on the form and directions of curved lines and surfaces are running into the most abstruse mathematics, some of which lead to conclusions not readily tested in common flying practice. Whence comes the aid of the laboratory?

In the earlier days of aircraft it was thought that the frontal exposed parts of an airship should be sharp or slim tapered. A pointed prow, fine piano-wire supports and extra thin planes were favored. Actual practice on the contrary has shown that a properly shaped strut of considerable width may actually offer less resistance to the air than a knife-edge or a wire. Apparently the old-fashioned billy-owl is not so badly designed after all.

The new air laboratory of the institute will include equipment for motor research and general engineering design and will enjoy the co-operation of some of the best builders of mail and passenger planes now in service. Both American and German experts will direct research operations.

**Totem Pole Reported
Floating Down River**

Usk, B. C.—The report that a mysterious totem pole carved with a human figure is floating down the flooded Skeena river has been received by Harlan I. Smith, Canadian government archeologist here.

Mr. Smith, who is engaged in preserving ancient totem poles and making outdoor museums of them, has checked up on his collections and finds no exhibits in this region missing. A call was issued immediately to all persons along the Skeena river below Vanarsdol to look out for the traveling pole and, if possible, to rescue it and notify Mr. Smith.

Federal authorities now protect Indian monuments, Mr. Smith points out, so that it is unlawful to take such an object without permission or to mutilate or destroy it.

**Lone Red Hair on Coat
Causes Divorce Action**

New York.—Mrs. Ethel Quayle expects to win her divorce suit against Frank J. Quayle, hotel proprietor, by a hair—a red hair. Mrs. Quayle's hair is not red, so when she found a strand of that hue on her husband's coat lapel she hired detectives to shadow him.

According to the divorce papers she served on him, the detectives trailed Quayle and a young woman to a house in Brooklyn one evening last month. Came the dawn, and they summoned Mrs. Quayle and three autos of friends and relatives for witnesses.

The young woman with the hotel man, it is charged, had red hair.

**Flies' Wings Used
to Get Heat of Stars**

Washington.—Carrying an instrument so delicate that it is believed it could measure the heat of a match 5,000 miles away if no atmosphere intervened, Dr. Charles G. Abbot, acting secretary of the Smithsonian Institution, has started for Mount Wilson, Calif., to continue the measurement of the heat of the stars.

The instrument, so frail that flies' wings are used in its make-up, is described as an improved radiometer, ten times more sensitive than the one used by Doctor Abbot in 1923 when he made the first determinations of the heat spectrum of ten of the brighter stars other than the sun in the history of astronomy.

The Smithsonian official also plans to visit the solar radiation observatory on Table Mountain in California, where daily observations of the variations of the sun are being made in co-operation with stations in Chile and southwest Africa to determine the sun's influence upon weather conditions.

**Marvelous Stone Car
in Old Indian Temple**

When the Mohammedans invaded the kingdom of Vijayanagar in the Sixteenth century, they wrought tremendous havoc on all the great guildings of that great city, says a writer in a Calcutta paper. Today, as one rambles over it, there is hardly to be seen a structure that does not show evidence of the iconoclastic proclivities of the invaders.

It is interesting to note that one of the unique structures among the ruins, a temple car made of stone, has apparently been untouched. This is the more striking as the temple, in the courtyard of which the car stands, has been terribly treated, some of the finest carving in the whole city being broken and shattered out of all shape. This car is to be found in the vicinity of the Vittthalaswami temple, not far from the river.

After first appearance one is inclined to think the car has been carved out of a solid block of stone, but a closer examination shows this is not so. The joints between the various parts are wonderfully well done, and unless one looks at the structure carefully it is not surprising the impression of solidity should be given. The pilgrims who visit the place believe that they obtain merit by turning round the wheels, which are also made of stone. As a result of this devotion the axle has become very much worn. Two elephants of stone stand in front of the car.

**Simple Way to Prove
Truth of Old Saying**

Our community chuckles over this story of our old grocery-man who caught a canny customer in her own net.

Mrs. McKinley came into his store one day with a pat of delicious-looking butter, and said: "Mr. Paul, I have some butter here I would like to exchange for some other. You see, a mouse fell into my sour cream jar and drowned. I took it right out and the cream wasn't hurt, but knowing of the accident, I can't eat the butter. Won't you give me some in its place? Other folks won't know about the mouse, and what you don't know doesn't hurt you."

"I shouldn't like to disoblige an old customer," Mr. Paul replied, and taking the butter, disappeared in the rear of the store. There he carefully re-wrapped the butter in another paper, took it to the front, and handed it to the woman.

Mrs. McKinley thanked him volubly, and he said reflectively, "Yes, yes, it is quite true that what you don't know doesn't hurt you."—Capper's Weekly.

Ups and Downs

Dr. Marvin Shie, who, at the American Medical association's convention in Washington, exposed the danger to the health of tattooed permanent flushes and tattooed red lips, said at a dinner in Cleveland:

"Our beauty doctors sometimes damage a woman's constitution as much as her bank account."

"I heard a story the other day. A man said:

"I understand that Mrs. Maturin Mayhew, the society leader, has had her face lifted."

"Is that so?" said a second man. "I don't see any difference."

"Well," said the first man, "it fell again. I hear, when the beauty doctor sent in his bill."

Qualified Praise

"Uncle Joe" Cannon's biography, written at his own request by his secretary, L. W. Busbey, is the subject of many amusing anecdotes of American politics. Clinton Brainerd vouches for this one. Cannon was once accosted by a new member of the house who had just made his maiden speech. On being asked if he approved of it, "Uncle" Joe shifted his cigar to the other side of his mouth and answered judicially:

"You said many good things, and many new things."

"Thank you, Mr. Speaker," said the new representative.

"But," continued the venerable speaker, "the good things were not new and the new things weren't good."

Early Form of Banjo

The existence of instruments of the lute or guitar kind implies a certain grade of knowledge and culture among people who know how to stretch strings over soundboards and to determine the required intervals by varying the vibrating length of the strings. Such instruments found in use by savage or very uncivilized peoples suggest their introduction through political or religious conquest by a superior race. The Arabs may thus, or by trade, have bestowed a guitar instrument on the negroes of western Africa and the Senegambian "bania" may be, as Mr. Carl Engel suggests, the parent of the American negro's banjo.

Uncle Sam's Islands

The Philippine islands were ceded to the United States by the treaty of Paris, December 10, 1898, following the Spanish-American war. By the terms of this treaty the United States paid to Spain \$20,000,000 in connection with the relinquishment of all claims to the Philippines, Porto Rico and Guam, and under a later treaty of November 7, 1900, a further payment of \$100,000 was made to Spain for the cession to the United States of further islands of the Philippine archipelago.

**Executors' Sale
OF A**

**Valuable Farm
NEAR TANEYTOWN,
AND A**

**New Double Dwelling
in Taneytown, Carroll County, Md.**

By virtue of the power and authority contained in the Last Will and Testament of Samuel Galt, deceased, and an order of the Orphans' Court of Carroll County, the undersigned, Executors, will sell at public sale, on the respective properties hereinafter described, on

WEDNESDAY, OCTOBER 5th, 1927
at 1:00 and 2:00 o'clock, P. M.

FARM.
First: at 2:00 o'clock, P. M., all that valuable farm, containing

167 ACRES & 8 SQ. PERCHES, more or less, improved by a large stone house, slate roof, front and rear porches, large frame bank barn with slate roof, wagon shed with corn crib attached; grain shed, corn crib, garage, wood house, smoke house, chicken house, and other necessary outbuildings. This is one of the most desirable farms in northern Carroll County, as the land is in a high state of cultivation, very productive, with running water in practically all the fields. The buildings are all in excellent condition, the cow stable is concreted, and the property is especially adapted to dairying purposes. This farm is located on the state road running from Taneytown to Littlestown, about 1 1/4 miles from Taneytown, in Taneytown District, Carroll County, Maryland. There is a small stream of water, (Piney Creek), running through the farm, about ten acres of prime timber, consisting of white and black oak, and an abundance of fine meadow land.

NEW DOUBLE DWELLING.

Second: at 1:00 o'clock, P. M., all that tract of land, containing 10,000 square feet, more or less, improved by a new frame, stucco, double dwelling, with all modern improvements, electric lights, water and furnace, and other necessary outbuildings. This is a very desirable dwelling and property, as it fronts 50 feet on the state road, in Taneytown, Carroll County, Maryland, and has a depth of 200 ft. Anyone desiring a beautiful home and investment will find a splendid opportunity in this property. The one-half of this property was occupied by the late Samuel Galt at the time of his death, and the other half is now tenanted by Mr. Meryl Ohler.

TERMS OF SALE—One-third of the purchase money to be paid to said Executors on the day of sale, or on the ratification thereof by the Court, and the residue in two equal payments, the one payable in 6 months and the other payable in 12 months from the day of sale; the credit payments to be secured by the bonds or single bills of the purchaser, with sufficient security, bearing interest from the day of sale; or all cash, at the option of the purchaser.

SAMUEL L. JOHNSON and JOSEPH A. HEMLER, Executors of Samuel Galt, Deceased. WEANT & SHIPLEY, Attorneys. J. N. O. SMITH, Auct. 9-9-27

**PUBLIC SALE
OF**

Valuable Real Estate

SATURDAY, SEPTEMBER 24, 1927.
The undersigned will sell the real estate of the late Samuel B. Vaughn, in Cumberland township, Adams Co., Pa., consisting of the following:

123 ACRE FARM.

more or less, situated 3 miles south of Gettysburg, along the Emmitsburg road. This farm is highly productive and in a good state of cultivation, about 150 Acres of clean open farm land, and 18 acres of pasture with running water. Improved with a 2 1/2 story, 9 room stone and weatherboarded house, large bank barn 45x80-ft.; hog pen, wagon shed, chicken house, wood shed, and all necessary outbuildings; all buildings in good state of repairs; two wells of good water, one at the house and one at the barn; also several springs of good water. This farm has about four thousand feet frontage on twenty foot concrete road, which would make very desirable building lots close to school, stores, churches and markets; electricity available. This place would make an ideal boarding and lodging house or tea room.

Also at the same time and place will sell the following:

TWENTY ACRE FARM.

more or less, adjoining the above farm, consisting of 13 acres of farm land and about 7 acres of young timber, the improvements consist of new barn, 16x18 ft.; wagon shed, corn crib, chicken house, well of good water. These farms can be shown at any time by calling at the farms.

Sale to commence at 2 o'clock, sharp, when terms and conditions will be made known by

ANNA L. VAUGHN,
9-9-27 Attorney-in-fact for Heirs.

Transfers and Abatements.

The Burgess and Commissioners will be in their office in the Municipal Building on the evenings of Thursday and Friday, September 22 and 23rd., from 7:30 until 9:00 o'clock for the purpose of making transfers and abatements.

By Order of the
BURGESS & COMMISSIONERS,
CLYDE L. HESSON, Clerk. 9-9-27

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**175 1/2 ACRE FARM
at Private Sale**

The James D. Haines farm, near New Windsor, may be purchased at private sale. Possession given immediately. THE CENTRAL TRUST CO. and MICHAEL E. WALSH, Executors. 5-13-27

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