MARKING THE FLIGHT OF TIME.

公本 "大麦女"等的对象



X Natural Sundial - Primitive Man's First Timepiece

IME-RECORDING has un dergone its first revolucenturies, with the invention of a clock that does not run down. An American is the inventor -the first American to contribute anything fundamental to the science first "date." of "telling time,"

Time is a miraculous thingsomething elemental, baffling. The probably wanted to meet Miss Matcleck were never worthy of its dig- todon avenue and Dinosaur street nity. Now another baffling element on the following morning, to go on has been made to run in the same a saber-tooth gathering expedition. harness. Electricity, imprisoned in a clock, will "mark time."

There had been until now, rough- hands high." ly, four classes of timepieces, the sundial, the clepsydra, the candle clock and the mechanical clock of was but a modified clepsydra, and aren't as broad as yours, and that the burning rope or punk of the makes a difference." Chinese but another type of candle

The electric clack is something new under the sun.

What Time Is It?

No scoper had man appeared on at intervals of space to measure years ago, the earth then time beyon to be liu- periods of time.

Rome, was used to time the speeches of orators. Water dripping

into funnel (1) passed to cylinder (2) slowly filling the cylinder and raising float. Rising with tionary advance in over six float a rod with teeth (3) turned the hand of the Then came the trouble over the

This early chap—call him Targan or Ahaz or anything you will-"Meet me here," he said cave-

Tarzan Has a Hunch

"But," objected Maisle-she was springs or weights. The sand glass a very intelligent girl-"my hands hours," says the inscription on the or the time it took some such

ed pompadour uncertainly and

History does not record Eve's tain just touches the river." first remark to Adam-presumably History was made right there, Eve spoke first-but it is probable though Tarzan didn't know it. The that she said, "What time is it?" sundial was invented. It was only People have been asking it ever a small step from the discovery since. It is the most popular and that shadows moved with the sun risk of tardiness at the Midnight important question in the world to the placing of an upright pole Follies. So, the Babylonians in-

used by old New England ministers to time a two-hour eermon. springs or weights of an ordinary sie Nutmeg at the corner of Mas- from the sundial is indicated by the water through a tiny opening from

> 38:8. "Behold, I will bring again the shadow of the degrees, which is mannishly, "when the sun is three gone down in the sundial of Ahaz, ness man, and had the business ten degrees backward. So the sun man's contempt for wordiness; so grees it was gone down." "I count none but the sunny

sundial at Paul's Cross, London. Tarzan scratched his bear-greas- put the sundial out of business. It did very well as long as Tar-

grunted. Then he had an important zans were making days with Mai- speaker. This speaker had a habit sle Nutmegs, but the gay com- of moistening his mouth periodical-"I'll tell you," he said, "meet me munity of Babylon discovered the ly from the Court drinking glass. when the shadow from the moun-fascinations of night life and right away the sundial wouldn't do. Night Life in Babylon

The Babylonians had to know when it was midnight or run the and the location of marks around it vented the clepsydra about 2,700

one vessel to another they found record of the miracle in Isaiah, they could measure time.

Pulpit Hour Glass

A Long Drink In Rome

Pompey, the Roman, was a busireturned ten degrees, by which de he set up a clepsydra in the Roman Law Court to limit speeches. When an eloquent lawyer talked a quart amount of water to run through the And it was this cheerful fact that clepsydra-he had to stop. Marheckled a particularly thresome "It would be a greater relief to the clepsydra," shouted the wag.

A Willard Grandfather Clock. One of the earliest of America's fine time keepers.

Historic Sundial of

Sir Isaac Newton.

Alfred the Great is reputed to have invented the candle clock, or candle which burned a given distance in a given time. The Romans had preceded him with the lamp clock, however, and the Chinese had the same idea shead of the Romans, burning a rope of uniform texture. Any boy can tell time the Chinese way by lighting a twine string and noting by clock tial, the poet, tells about a wag who first inch. After that—as long as how fong it takes to consume the the string lasts-he can dispense with the clock.

King Henry's Poker Session The origin of the mechanical

the chimes away. He probably would have lost the Abbey, too, if The pendulum does no mechanical

clockmaker, but the most famous current consumption is from one early American clockmakers were and a half to one and three-quarthe Willards, All were New Eng- ters ampere hours a year. One of landers. The clock which embodies the

rest of us if you drank from the clock is, like that of so many latest-is it possible to say the Mr. Tiffeny's home has kept perfect things, shrouded in mystery. A last?-word in time-recording is time since 1909. Some of the shyster lawyers used mechanical clock was installed in the work of George S. Tiffany of The first crude clock built by to bribe the attendants to put mud- St. Paul's, London, in 1286. West- Summit, N. J., an inventor of in- Mr. Tiffany in 1902 is still in exdy water into the clepsydra, so that minster Abbey was so accommodat- ternational reputation. He has istence. It is likely that it will "time ran more slowly," and they ed in 1288, and the Cathedral of been working on electrical clocks some time have a place in the made longer speeches. Any man Canterbury in 1292. The Westmin-since a boy, and in 1990 hit on the Smithsonian Institute, along with who has fished for sand in a car- ster clock not only kept time but principle around which he built the Howe's sewing machine, Whitney's buretor can appreciate what the chimed the hours. King Henry clock, without weights or springs, cotton gin and Langley's airplane, Clapsydra means "thief of wa- same substance would do to a VIII, who was a financial as well which runs a year or more without as another revolutionary product

The most modern device for recording time's flight operates on small battery, It has meither weights nor springs and runs without winding,

had been built, but these were simply old fashioned clocks which were wound up at intervals by batteries. Tiffany's clock is actually run by a battery-a small dry cell such as are used in flashlights.

The Clock That Is Never Wound The circuit through an electromagnet is alternately closed and broken by a contact needle on a torsional pendulum. With the closing of the circuit, and the consequent energizing of the magnet, an armature is attracted and lifted into contact with the magnet. The breaking of the circuit allows the armature to drop, under gravity, and this drop revolves a ratchet wheel which is connected with the hands of the clock, a short distance, his opponent could have taken it work, acting only as a regulator, and is kept in motion by the open-Ell Terry was the first American ing and closing of the circuit. The these clocks has run two and a half years on one battery. A clock in

matrimonial plunger, gambled attention. Other "electric" clocks of American inventive genius.

NOTICE OF RESALE. In the District Court of the United

States for the Western District of North

In the matter of W. L. Ormand,
Bankrupt.

Under and by virtue of an order made
in the above-entitled proceedings,, the
andersigned trustee will, on the
Second Day of August, 1922

at 11 o'clock, a. m. expose for resale to the highest bidder for cash, at the Court House door in Gastonia, N. C., the reversionary interest of W. L. Ormand, bank rupt, in a certain tract or parcel of land situated in Crowders Mountain Town ship, Gaston County, State of North Carolina, and described as follows, towith Beginning at a stake on the old line; thence North 63 East 43 poles to a stake; thence North 2 West 113 poles to stake in old line; thence South 38 1-2.

East 36 poles to a stake; thence South 32 East 66 poles to a stake; thence South 42 East 66 poles to a stake; thence South 82 West 27 poles to the beginning, of several international leaders. Delecontaining 25 acres, being the homestead gates from virtually all countries of Euappraised and allotted to W. L. Ormand, May 18, 1917, and registered in here for the congress which will continue the office of the Register of Deeds for through the week, Gaston County in Deed Book 122 on page 383. The purpose of this sale is to rebankrupt. The sale will start with a features.

hid of \$101.00, the original bid of \$1.00 HARDING BELIEVES IN having been advanced \$100,00 within ten days from the date of the first sale. This the 17th, day of July, 1922.

JAY BIVENS,

DELEGATION TO DISCUSS FUNDING BRITISH DEBT

LONDON, July 17 .- A special delegation will arrive in the Unted States early n September in connection with the negotiations for funding the British debt to America, it was annauncedby Prime Minister Lloyd George in the House of Commons this after-

NEW THOUGHT ALLIANCE

ence South 9 West 251-2; thence get under full way today with the arrival lows: rope and every state of the Union are

At the Majestic Theater tonight Dowsell the reversionary interest in the said nard's Roseland Maids present "Mrs. 25 scres which is subject to the home. Vandergould's Reception," a musical stead rights of the said W. L. Ormael, comedy in two acts. Special vandeville

Expects Amazing Develop-Commercial Aviation.

Harding has again given evidence of his about 50 cents. There has been slight belief in the future of flying. The chief increase in terminal facilities so far this executive expects amazing developments year. The administration is encouraging in air travel, and declares that each stage local landing fields and national airways of development demands improved means wherever practical. of transport; he wants the United States lead the world in commerciall aviation. ATLANTA, Ga., July 17 .- The ninth He has expressed these views in a lletter South 42 East 6 poles to a stake; thence annual congress of the International to the Acconautical Chamber of Comouth 381-2 East 19 poles to a stake; New Thought Alliance was expected to merce of America, th txt of which fol-

"The White House, Washington, Gentlemen:

I find pleasure in adding a word expressive of my interest in aerial transport, and in the presentation of subject which is being made by the Aeronautical Chamber of Commerce. The history of civilizzation is largely the history of communica-Each stage of progress seems to demand and develop improved means of transport. The steamship, the railroad and the motor car have been dvised and utilized. Now we enter a new phase. It is a real distinction to America to be known as birthplace of the airpllane; it should be our concern ha tths art shall not languish, but that in its practical application we shall lead the world. An amazing development will take place i nthe near future in the utilization of the air as a medium of transport and communication. As a government, we are aiming to provide this art with necessary guarantees of law, and with such facilities as may be possible through the encouragement of airways and terminals. But for air transport quickly to achieve the important place it is destined to occupy, it must have public interest and support. I hope your efforts in this behalf may be productive of most gratifying results.

Very truly yours,

WARREN G. HARDING."

The Aeronautical Chamber of Commerce was organized this year to "foster, advance, promulgate and promote aeronautics, and generally to do every net and thing which may be necessary and proper for the advancement of merican aviation.'' Starting with Orville Wright and Glenn H. Curtiss, the moneers, and several other leading aireraft designers and builders, the Chamher now has nearly, 200 members located in every state in the Union,

Possibly a sebre of factories today have their own laboratories in which scientists are working with trained personnel making slight alterations in ma-

chines or motors, the chamber says in a KNOW NORTH CAROLINA-CARO- direct marketing arrangements between statement given out in this city. These men are not seeking to produce something FUTURE OF FLYING men are not seeking to produce something radical, but rather to improve the types on which they were built. Approximately 500 civillians are tak-

ing lessons in flying at civilian aviation ment In Air Travel-Wants fields this summer. The Chahmber es-

year and a half ago was 65 cents a mile. Last year it was 55 cents, and it is be-NEW YORK, July 16 .- President lieved that the average this year will be

defense,-New Orleans States.

LINA'S FOREIGN TRADE.

which have justified the basic principlies that North Carolina business men should loleal grower or dealer who wants to extake more interest in the development of port his product at a cost commensurate with sound business practices. In the foreign trade. But our principal money same way too, local growers should orcrops, cotton and tobacco, are exported ganizez for the protection and further timates that there are 1,200 civilian in large quantities; while there are a snee of their interests. Foreign trade-United States To Lead In timates that there are 1,200 eivinan in large quantities, while there are 1,200 eivinan in large quantities, while there are 1,200 eivinan in large quantities, while there are 1,200 eivinan in large quantities its possibilities, dangers and eccentricities—should be studied as thoroughly as The average charge per passenger a Of our raw cotton over sixty percent is organization, and development of a growshipped abroad. North Carolina tobas ing sentiment conducive to export netivico is used in many foreign blends of the ties, are all factors that contribute to finished product and the quality is so foreign exploitation. And in doing all much appreciated that the fact that Car- this we should try to look not always to advertised on the outer wrapper. Yet ative for our needs. In this way, we are

We doubt if anything can look so foreign markets has now become so se that we are helping to restore what is badly battered up as a speeding flivver cure, however, that we can look beyond now so greatly needed-economic equilibafter a telephone pole has hit it in self. New York an othe larger financial cen rium throughout the world .- A. W. Mc ters and begin vigorously to establish Lean.

grower and foreign merchant.

To this end, North Carolina banks in It may sound mechanical to repeat time should be able to take care of the olina tobacco is used is almost invariably Federal aid, but to Hocal individual initithis demand has grown naturally without not only promoting a sturdier foreign very much concerted effort on the part business but we are also contributing to of our business interests. Our place in our own domestic well-being. More than





