Seagrave Aims To Attain 240 Miles an Hour

Over the Ormand-Daytona Beach Course March 1-15

Tests Show Giant Power

With Previous Victor

will attempt to drive his new superspeed racing car, the Golden Arrow, at 240 miles an hour on Ormond-Daytona Beach, Fla., sometimes between March for much still remains to be learned by 1 and March 15. He will leave London experience. with his car and a party of friends The engine of the Golden Arrow January 30,

mechanical strain.

case of the Golden Arrow, has been rear sight, which is immediately in ascertained by careful wind tunnel front of Major Seagrave. This should tests, the car is believed capable of be a tremendous help in keeping the making a maximum ground speed of car on a true course between the ocean 246 miles an hour.

New Marks Are Expected

Since each additional mile in speed when high velocities are reached means increased peril to the driver, why, we may ask, does Major Segrave plan to attempt such a great increase over the present world's record of 207.55 miles an hour?

The answer is that many would not be surprised to see the present record topped by a wide margin not only on the way he is going. Some drivers tests, but also because of the great improvement in high velocity cars and a better understanding of the problems encountered, particularly those of wind resistance, vacums, upward the car is cigar shaped and with its thrusts, wheel suction, and other un- long projecting tail, has an over-all certainties of aerodynamics which of length of twenty-six feet. The wheel ten develop phases in actual trials base is thirteen and one-third feet and Difficulty Said to Indicate which have been unforeseen in theo- the distance between the wheels is

Opposed to the Golden Arrow in its seven inches. to Great Britain will be J. M. White's is of the same type as that in the crisis here indicates a change in the mighty 36-cylinder Triplex racing car. Blue Bird, Captain Malcolm Camp- Intimate relations between the Gov-Last week the contest board of the bell's famous racer. The twelve cylinery ernments of King Zogu and the Italian American Automobile Association, ders are arranged in three rows of Premier, Benito Mussolini. The Cabmeeting in New York, decided that the four each and at angles in the crank inet resigned on Jan. 12 because of provision as to reverse gearing would case to give an even thrust. The budget difficulties. The State plainly not apply in the forthcoming trials. cylinders are five and one-eighth-inch needed more money. But all members As Mr. White has only one gear ratio bore and five and one-half-inch of the Cabinet were not able to agree in the Triplex, that is, high gear, he stroke and, therefore, give much on methods of securing it. Much of will not be obliged to install a reverse greater power than the Lockhart car the money used in the new Albanian gearing in his big car. The Triplex is and probably greater power than kingdom comes from Italy. The Alequipped with three Liberty airplane Major Seagrave's Mystery S. engines, one of which is in front of the . In Major Seagrave's "Golden Ar- hands. Most Albanian concessions go driver's seat, the other two being set row" we find a car of much greater to Italians. side by side behind the driver's seat. cylinder capacity, coupled with a high Naturally it is to the interest of During the last trials the Triplex turn, and many developments equal or Italy to keep Albania going, so unmissed fire on some of its cylinders perhaps exceeding that of the Lock-doubtedly the Government of Tirana fore, is planning to install one new larger and heavier scale. the Triplex.

High Powered Rival

was driven by an adapted Miller en- side, behind. Each of these engines three days later every minister re- when thou ceasest to give, such will the origin of man, and determine what gine, which had sixteen cylinders in had a rated power of 450 horsepower. ceived his old post back, except Elian two banks of eight, at fifteen degrees The Triplex weighs 8,000 pounds. off verticle, set in the same crank The Mystery S weighed 6,000 pounds. case and was able to turn over from The Golden Arrow weighs about 5,000 7,200, and perhaps up to 7,800 revolu- pounds, but she is very carefully detions per minute, but much faster than signed and calculated to keep on the J. M. White's three-engined Triplex, ground and she has a tremendous rewhich won the world's record, with serve of power in relation to her Ray Keech driving. For the Triplex weight. Major Seagrave is one of the reached its highest speed at 2,300 re- world's most skillful and experienced volutions per minute when, barring drivers. It is the car that best hangs slippage, it was estimated to have a to the ground that stands the best potential speed, though on a prelimin- chance of winning. The new car has ary trial- Keech's tachometer showed been so carefully tested in wind tunbetween 2,200 and 2,300 revolutions, nels, and has been constructed with and he estimated his speed for part of such meticulous care, that hope is a mile at above 240 miles an hour, high, and not without reason, that the After reaching 2,300 revolutions per gallant British sportsman will hang minute the Triplex would begin to up a new world's record. lose power, which shows the advantage of the small cylindered faster revolving engine, which continues to increase in power, to "wind up" as the saying goes.

- Opposition to Wind

Major Seagrave's new car will pre- Then stop, my friend, another glance sent an opposition to the wind of but | And you'll sense the race he ran. twelve square feet, equal to a frontal area of three by four feet being shoved Oh, men by him, as men by you, through the air at terrific speed. In fact, the theoretical speed of the new car, based on the engine speed, is But he, among the very few, given at 246 miles per hour. The engine is a private cylinder Napier. No Work, hard work, through the long, doubt the new car possesses the same fine qualities as Captain Malcolm Campbell's Blue Bird, which was fitted with a Napier Lion engine, and kept Plodding along through the hardest "winding up" and increasing in speed, always, indeed, seeming to have a little extra in reserve,

Coupled with this great reserve of There's work for all, for you-for power, which will provide continued scoeleration until the maximum is reached, is the design of the Golden Arros to encounter e relatively low Ourselves, our slaves, ah then you'll wind resistance, and the fact that the big car weighs two and one-balf tons and is less than four feet high, sitting -By Katharine Haviland Taylor,

close to the ground. These qualities make for high speed and stability.

Air tunnel tests have demonstrated that the Golden Arrow meets practically its greatest speed possibilities, while the safety margin against possible instability is said to be even "Golden Arrow" Will Race greater than that of Major Seagrave's huge mystery S, with which he drove at a rate of 203.79 miles an hour in March, 1927.

> In low gear Major Segrave's highest speed will be eighty-one miles an hour, in scond 166 miles and in high 246

The new car is especially designed British Driver Will Compete to meet the problems of aero-dynamics which face drivers who have ascended into the new plans of extreme speed. Majjor H. O. D. Segrave, of London, They find strange equations introduced into the guidance and reactions of an extreme high velocity car.

The Golden Arrow cannot combat all of these aero-dynamic problems,

weighs almost a thousand pounds. This is at a rate of four miles in one. The steel frame is enormously strong. minute, or one mile in fifteen seconds, The car will be gilded, hence its name. or 356 feet per second, a velocity The springs are very stiff so that which was undreamed of four years they will not give should the car leap ago. It was not thought then that on striking some slight irregularity in tires could be made to stand the heat the sand. Because it is expected to and friction or that cars generally go at a rate of 355 feet a second, could be built to stand up under the Major Seagrave has an aiming device to keep the car-on a straight course. But after deducting the possible loss There is a stream-lined projection at in ground speed through slippage, fric. the front of the car, joined by a black tion and wind resistance, which, in the band along the top of the hood to the

on the one hand and the sand dunes on the other.

Car Aimed at Objective

Nerve impulses in the human body travel almost too slowly for modern high velocity drivers. By the time a man's eyes told him he was on the wrong course he might be seventy-five feet out of line. It would be too late! Hence the modern driver looks a quarter of a mile ahead, at which distance, have even proposed to lock their steering gear, but Majojr Segrave's plan Cabinet Crisis giant gun possesses great advantages five feet. The minimum clearance is

The Triplex, therefore, will presum- Bird which, ohwever, developed about Italy is unpopular. The Albanians reably go into the race with a higher 900 horsepower. So the power of the sent Italian encroachment. So the Golden Arrow is presumably greater Government wants and retains as than that of any other racing car in much independence as possible. There-Major Seagrave's car will have a the extreme velocity class except the fore, some members hesitated to achigh engine turnover, attaining about Triplex. That enormous power plant cept the conditions Italy laid down 900 horsepower at 3400 revolutions of on wheels was equipped with three regarding forthcoming loans or adthe engine per minute. This is not Liberty airplane engines, one in front vances, and the Government resigned. as fast as Frank Lockharf's car, which of the driver's seat and two, side by However, in the cabinet appointed

Reaching Your Goal

Favored by Fate? Smiled on by Chance? Is that what you think of the win-

And all of them striving to win the

Found and stuck to his pace. hard hours; Oh, dreaming and planning for more

Work, too: showers-In such manner fortune grew!

And the chance to make, within each soul.

The reaching of-your goal.

hind motor cars.



Seven-year-old Ivy of Addelstone was selected by Queen Mary as her matters on broader lines than ever beprotege under the adoption scheme of the Princess Mary Village He

In Albania Laid To Budget Issue

Change in Tirana's Relat-

hart car, but, as a while, on a much could get more money from home. But the Albanian Government does not Also the rated horsepower is in ex- want to become too deeply involved,

is replaced by Raoua Bey Fico. Thus question of finances. In other words the finances are clearly tied up with the question of foreign relations.

The dismissal of Mr. Vrioni is no ordinary matter, since he has long been one of the strong men in Albania, attempt to take the speed crown back As already mentioned, the engine Tirana, Albania.—The latest Cabinet his unwavering supporter from the first. Vrioni has also been an enthusiastic admirer of Italy and an ardent apholder of the Italian-Albanian

Pleasure in Work

"I can't abide to see men thro away their tools i' that way, the minute the clock begins to strike, as if they took no pleasure i' their work and was afraid o' doing a stroke too much. I hate to see a man's arms drop down as if he was shot before the clock's fairly struck, just as if 's work, 'The very grindstone'll it."-George Eliot, in "Adam Bede."

Success Ideals

Why this longing, thus forever sigh

For the far-off, unattained and dim, While the beautiful, all around thee lying, Offers up its low, perpetual hymn?

cease to love .- Fuller.

A Sport Fast Growing in Popularity

SKI-JORING IN THE ALPS

Ski-joring behind a horse is one of the popular winter pastimes of those who take a winter holiday in

"the first important industry," and tan. In fact, he insisted on riding in "Chesterfield". A second hopper envisages the passing of the small the first train. This length of line barge was also towed from Port Nelfarmer and the advent of "large cor- is 160 miles, but, as the vicinity of son to Churchill and added to the porations, whose sole business it will the southern terminus has recently equipment. The arrival of the dredges be to perform the operations of plowing, planting, cultivating and harvesting.

ible than in the matter of liquor.

legally, but by moral conviction," he Caliph Haroun al Roschid than any there had been a further expenditure continues. "The American home is other city on earth, and is an increas- of \$2,561,000 making a total of \$3,458,dry, and the American Nation gets ing lure for tourists. When the sec- 950. The expenditure on the Hudson its tone from the home and not from the wet propaganda."

ing in the world what han has failed without changing, a distance of 1,650 been expended a total of \$23,386,248. to do by preaching, propaganda or the miles.

Mr. Ford asserts that "both Russia's and China's problems are fundamentally industrial and will be solved by the application of . . . right methods There is every indication that the \$28,500,000. of thinking, practically applied."

his finish is to be.

BETT I

Good Advice

Ford Shows How to Prevent Waste in Trade and Finance

New York,-Reformation of the Joint Operations Developing "money system" of the United States takes an important place among the new book entitled "My Philosophy in topics discussed by Henry Ford in a Industry," published by Coward-McCann.

Mr. Ford propounds a hypothetical question in finance and then proceeds to answer it. He shows how a \$300,-000,000 public improvement bond issue is financed by the Government. the security for which "le nothing more or less than the energy wealth in its most productive form; i.e., natural resources."

"Suppose we borrow \$30,000,000 and pay 120 per cent. interest, we literally have to pay \$66,000,000 for the use of \$30,000,000," he says. "That is, we pay \$30,000,000 for the for the loan. And it was the government's money to begin with. It seems like a very childish and unbusinesslike method.

"Suppose, for example," he says, "we decide to relieve unemployment by carrying on some necessary im- The Governor of Uganda has just the preliminary operations on port deprovment and to do this the Government needs \$30,000,000. That's central African colony are now being the season and a feature of the opera-1.500,000 \$20 bills or 3,000,000 \$10 actively prospected for oil, and there tions was that the work was materialbills. The Government can issue these was every hope of these efforts being ly expedited by the use of airplanes against the value of the thing in pros- rewarded. The Anglo-Persian Oil which operated between Churchill and pect and with them pay every expense plan in operation and out of its earnings retire the entire \$30,000,000 quantities, he remarked, and copper is eminent British Engineer, which reissued. Economists no longer question that method of doing things. Indeed, it looks as if financial engineering will come round to something very like it. We shall see great improvement when we apply engineering methods to finance."

this country are thinking of these after all, financial problems will have will actually come into practice." occo obey such "dahirs."

roots are cut, Mr. Ford holds, and Casablanca, the commercial metrop- unloaded at the new port and the dipmoney system and the high priests keesh, the great southern capital, at "Churchiil No. 2", built at Montreal

Mr. Ford sees a gap between the

"The United States is dry, not only nearly resembles the Bagdad of the present fiscal year to November 30

written word." Dipping briefly into foreign affairs.

Rhodesia Reports Good Strike of Tin

Tanganyika, Dutch and Belgian Companies

FOREIGN NOTES

London.—Cables from Rhodesia re port a promising tin strike near Salisbury, and another is about to be explored at Shamva. Meanwhile, the joint operations of the Tanganyika Company and the Dutch and Belgian companies in developing the tin fields of Uganda and that part of the Belthe richest section of the field seems leaving only 48 miles to be con-

It is understood here that the negotiations for acquiring the necessary public improvement and \$36,000,000 steamers for the passenger, fruit and rials and equipment necessary to acthat these will start early in the New it is stated that 2200 men were em-Year.

Company has the sole right to pros- the end of steel. whole year the total cotton exports original line to Nelson at Mile 356. £2,430,000.

fore, and that is very heartening for, authorized the extension to British shovels, a track-laying machine and subjects in Morocco of the tax on va- twelve locomotives. to be handled by financial minds. The cant land sites which the French Gov- The past summer was a very busy rank and file of our people are able ernment of Morocco has just imposed one at Churchill in the construction to see how things ought to be, but the on its nationals. H. B. M.'s Consular of temporary docks and the comwas eliminated by the crisis over the specialists will have to create the Court in Morocco has the sole auth- mencement of permanent construcmethods by which the 'ought-to-be' ority to make British subjects in Mor- tion. During the navigation season

War will not be abolished until its The important railway between by sea from Halifax and Sydney were "one of its main roots is a false alis of French Morocco, and Marra- per dredges, "Churchill No. 1" and the foot of the Atlas Mountains, has especially for the work, appeared on Mr. Ford characterizes farming as recently been opened by the boy Sul- the scene as well as the hopper barge been found to be so heavily mineral- clears the way for an early start on ized, it will probably become the first extensive development this year and section of an important system open- large supplies of materials are now on ing up that part of the country. For hand for prosecuting the work. people and political leaders, and he the moment, its usefulness lies in Up to March 31, 1928, there had solds that nowhere is it more riscern- handling produce and accommodating been expended on the work at tourists. Marrakeesh, perhaps, more Churchill, \$897,950 and during the

Railway Branch Line Programs

Saskatoon Star-Phoenix (Lib.): heads of the two companies have not The development of the ocean teras yet been able to get together on minals will account for an expenditure the question of branch line construc- of many millions more and other work tion, but it may be hoped that before in the development of Canada's norththe Railway Committee of the House ern transportation route includes the of Commons, which will have the final establishment of modern aids to navisay, gets down to business, comprom- gation in Hudson Bay and Strait. The ises will be suggetsed which will sat- aerial expedition established by the isfy not only the railway heads, but, Department of Marine and Fisheries more important still, the people who at three points on Hudson Strait in will be affected by the lines in ques- 1927 continued its reconnaissance un-

The Tariff Threat

Winnipeg Tribune (Ind. Cons.): Congress is now preparing to increase the United States tariff protection with particular relation to agricultural products. Actually, though not in form, the purpose is to shut out more of the farm products from competition with the products of the American reviews the Listory of the developfarmers. Whatever effect these measures have upon our export trade will tion scheme and includes a considerabe felt directly by the farmers and tion of its economic aspects and of indirectly by every business interest the mileages involved in the new rail in the Dominion.

Gypsum in Nova Scotia

as early as 1829, but it is in recent vice, Department of the Interior, Otyears that the industry has had its tawa. most remarkable expansion. The present output of over 800,000 tons annually is more than three time that of all the rest of Canada.

An Economist

The man who explores the depths of And so ye may find the immortal natural science and revealed truth, bringing forth that which advances the prosperity of his species, and making the world the richer that he has been born into it, is the true economist .- Stephen Bourne, F.S.S.

Self-Government

ment to man is in inverse ratio to the parens and the earth vigor of his self-government. Where Alps, and it is a great sport. Near Toronto on North Yonge Street it is not unusual to see ski-lers towing be- wanted. Hence, the more virtu wanted. Hence, the more victure the told by an idiot alguitying no

On to Hudson Bay Is Govt. Slogan

Near Salisbury New Railway in Far North Grows Apace as Data Shows

Up-to-date information on the progress made in the development of Canada's Hudson Bay Route is contained in a report recently prepared by the Natural Resources Intelligence Service of the Department of the Interior in co-operation with the Department of Railways and Canals. The objective set on the extension of the Hudson Bay Railway during 1928 was Mile 460, thus bringing the steel within 50 miles of Churchill. Actually the gian Congo adjacent is now actively steel reached Mile 462 thus accomstarting. It is on the Congo side that plishing all that was expected and structed during 1929 to reach the tide water terminus.

The mobilization of men and matecargo service between Jamaica and complish the work planned for 1928 London (to be put in operation by on the railway and at the port is the Jamaica Banana Producers' As- dealt with in the report. At the sociation) are now completed, and peak of operations during the season ployed on the railway. At Churchill announced that large areas of that velopment employed 349 men during

connected with the work, then put the pect and develop oil products here. The report points out that the visit Tin is being exported in increasing to Churchill of Frederick Palmer, worth of currency which has been shortly to be developed. Contrasting sulted in the selection of that port as their cotton exports he mentioned tidewater terminus, was made in that in 1925 the export was 106,000 August, 1923. In a little more than a bales, valued at £4,686,000. In 1927, year from the date of Mr. Palmer's 131,000 bales were exported, and in report, the railway had been advanc-1928 up to the end of July, 127,000 ed 106 miles from the point at which bales had been exported. For the the Churchill extension leaves the "The more alert financial men of should be 136,000 bales, valued at In the operations of 1928 the equipment used on the Hudson Bay Rail-

some 16,000 tons of material sent in

tion of railway on the northern sys- Bay Railway up to March 31, 1928, is tem between Fez and Oudja is com- given as \$20,780,248 and since that Mr. Ford pays a striking tribute pleted, it will be possible to travel date up to November 30, the report to machinery, which "is accomplish- by train from Marrakeesh to Tunis, states, an additional \$2,606,000 had The expenditures on the railway and port during the 1928 season alone exveeded five million dollars. The cost of the railway, exclusive of ocean terminals, when completed it is estimated will be in the neighborhood of

> til late in 1928 and much useful information bearing on navigation was secured. As a result strategic locations for aids to navigation are being selected and these will include direction-finding devices which will be of invaluable assistance to navigators in those northern waters.

The report on "Progress in Development of Canada's Hudson Bay Route" ment of the Hudson Bay transportaand water route from various centres. in Western Canada to Liverpool. The report in mimeographed form is avail-Gypsum was mined in Nova Scotia Natural Resources Intelligence Serable on application to the Director,

Good Seed

-Anonymous

Sow the good seed for the coming That all the days may be calm and

flower In the golden sheaves of eternity.

Reality

One of the first scientists of the age, the late Benjamin Pierce, said: "is this magnificent display of ideality a The necessity for external govern- human delusion; or is it a device rec-

ONTARIO ARCHIVES TORONTO

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giving cause to be afraid a boldly and mi ly, but with a Training is *leters fall to of sympathy interesting as intelligence is duty in ream Circus stunts batic feats and are many exert

For though I on

My mother