ENGINEERS TEST

LIBERTY MOTOR

Cadillac and Simplex Experts

to Watch Tests and Make

Suggestions

With the object of making the Lib.

erty airplane engine meet the high-est possible standards, the aircraft board has appointed a supervisory committee of expert engineers to watch the tests and suggest refinethe two members of the commit

tee whose names have been made known are D. McCall White, vice-president of the Cadillac Motorcar

mpany, and Henry M. Crane, viceresident of the Crane-Simplex Com-

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Tubes

Sterling

SATURDAY EVENING,

international reputation. A third member of the committee will be named by these two. D. McCall White, of the Cadillac Company, is probably the foremost authority in this country on the V-type principle of design, embodied in the Liberty engine. He came to this country from England to design the eight-cylinder V-type Cadillac engine, the sensational announce-ment of which was made in 1914. Before coming to the United States Mr. White was chief engineer of both the Daimler and the Napier. The Napier cars which he designed held several world's speed records and were conceded to be the finest automobiles built. The six-cylinder power plant on which the Crane-simplex Company has established its reputation for me-chanical excellence, is the result of H. M. Crane's engineering genius. Before going to Simplex his ability was widely recognized. Construction of Liberty engines is now going forward in the Cadillac shops in Detroit along with the build-ing of passenger cars. Seven-passen-ger Cadillac cars, painted olive drab and intended for use overseas, are constantly leaving the Cadillac fac-tory.

SERVICE FLAG UNFURLED Landisburg, Pa., March 30.-

unveiled a service flag in honor of four of its members, who are, Nay

Lightner, Bowman Lightner, Robert

Lightner and Robert Wingert. The

program included: Opening song,

'All Hail the Power of Jesus Name:"

But The AN PEAN ANT CA

DISTANCES CUT BY AUTOMOBBILER Opens New Paths to "Outside" Dent by Cutting Darks



MR. FARMER. DO YOU KNOW THAT

The Cleveland Caterpillar Tractor

Will Save You 50% on Your Labor! Will Do Three Times the Amount of Work That One

Team Will Do.

Will not only Plow but will do Belt Work, Hauling and many other useful things. "

LET US TELL YOU HOW



MADE-TO-ORDER AND ON SHORT NOTICE

C. A. Fair Carriage and Auto Works EAST END MULBERRY STREET BRIDGE

SIX



pany, both designing engineers of international reputation. A third member of the committee will be named by these two.

wharf in Jersey City and from there to the Thirty-third street post office in New York City.

Many Prominent Harrisburg

"It is an epoch in the history of the United States and of the world," suid Francis M. Hugo, Secretary of State of New York, in discussing the achievement at the same dinner. "Just consider," he said, "the marvelous significance of making every producing town within 180 miles of the city a real suburb in close and practicable shipping dis-tance." He pointed out how much it would help in solving the feed-ing problems not only of New York, but of all big industrial centers and also the tremendous benefit it would give the rural population thus put in such close contact with the con-sumer.

Many Prominent Harrisburg Firms Use Sterling Tires
 Many Prominent Harrisburg
 Many Prominent Harrisb

in such close contact with the con-sumer. Mr. Blakeslee said the Post Office Department had found by experience in many sections of the country that a motor truck could profitably col-lect and deliver mail, including farm produce, from points fifty miles away, within a day of twelve hours. He estimated that 1,560 such trucks could perform this service twice within each twenty-four hours on the 156,000 miles of improved road in the United States. The cost of operation would not exceed twenty cents per mile per truck. On such a basis the cost per annum would be \$19,531,200. The earnings of each truck would exceed \$70 per truck, per day or \$34,179,600 per annum. This estimate is based on the pres-ent rate of postage and the earnings of the one and one-half ton trucks now in operation in exactly this type of service. The truck used on the special test peration mile per truck.
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7-passenger, 6-Cylinder Represents the

Greatest Automobile Value on the Mar-

ket. We Have a Few to Sell at the Old

TUDEBAKER

BIG CAR BARGAINS

Knowledge of Motorcycle

In an article written for Motor Life, John Edwin Hogg, of the U. S. Naval Aero Corps, dwells most in-terestingly on the assumption that the nature of his training is in-valuable in the making of an aero-naut of the modern motorcyclist. Hogg states that "the motorcyclist of any extensive experience has ac-

A practical method of keeping in touch with its men who are now in their country's service, either in

department manager send a letter i once a month to all former members of his department now in the ranks. Recognizing that all soldiers ap-preciate letters from home and friends, this company is endeavoring to keep in touch with them by fur-nishing the in,portant news of their city and the activities of the particu-lar department of the company in which they were employed. These men are engaged in prac-tically every kind of military service that the war, has developed. Some of them are serving under the flags of our Allies, having entered the Gana-dian, Eritish and French armies be-fore the United States entered the war. Goodyear men are serving in every part of the world. Letters are constantly-being received from them from all Allied fronts, including the far eastern and the African fields of operation. All of these letters breathe a cheery spirit and show that the Allied soldier, the world over, is confident of ultimate victory for the cause of democray. Another method which this com-men queavors is the practice of meding its two house organs to them at the front or to the canton-ments. These two periodicals are full of newsy items that are of great interest to them. They contain many letters written by soldiers on the di-ferent fronts and permit a world-wide exchange of experiences. **Farmer Taking Auto**

Their Men at the Front

on to make way for good roads, new homes, sardens, and fruit trees. "It is now pretty generally ac-knowledged that the perfection of the automobile introduced a new standard of action. The importance of a mile depends upon how quickly it can be traversed. It has been made com-paratively unimportant by the auto-mobile. "And so the great work of expan-sion and development goes on, in-creasing as the number of automo-biles increases. Real estate has mut-amount of money invested in motor-cars, since motorcars came. "These things the automobile did for us in normal times. We are now learning what it means to us in war times when the utmost effi-ciency is essential, and the lack of it a crime. Men now find extra bur-dens thrust upon them. More must be done. It is imperative. "Tt is a matter of primary mathe-between the productive time of one man who uses a car and one man who does not. It is then a case of mere multiplication to arrive at the some three million cars now in serv-ice in America."

R. T. Hodgkins, general sales man-ager of the Studebaker Corporation in announcing a revision in the pres-ent prices of all Studebaker commercial cars, makes the following com ment in justification of the new

Studebaker Commercial Car

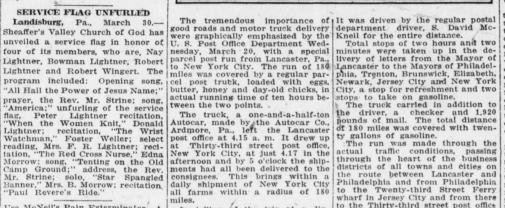
Prices Take Upward Slant

Posts by Cutting Down

Time in Traveling

of precious time. "The continually increasing de-mand for Oaklands throughout the great Middle West and other rich lustrates very clearly the greater de-pendence that is being placed on the automobile by the farmer as an econ-omical and efficient means of trans-port between his acres and the neigh-boring towns."

Useful in Aeronautics Hogg states that "the motorcyclist of any extensive experience has ac-quired in a very high degree that delicate sense of balance without which no one could possibly qualify as an aviator. The very first ex-amination that is given to applicants seeking to enter the United States aero service is the test of this sense of balance and stability. Various machines are used for the test, and if the applicant fails he is rejected immediately. Education or the most perfect physical qualifications count for nothing if the sense of balance and equilibrium is in any way lack-ing.



Ise McNeil's Pain Exterminator-A.

What is the Final Answer **To This Truck Question?**

ISN'T IT UPKEEP-cost of operation, repairs and replacements-tires included-from year to year

WELL THEN, if that is the case, what justi-fication is there for a truck of no greater capacity and costing several hundred dollars more in the first instance, unless that truck can, after years of use, prove that its upkeep is sufficiently less to offset the difference in first cost?

THAT IS THE THEORY on which most buyers act when they pay \$1600 to \$2000 for a truck rated at 1500 pounds normal load.

HAVE YOU EVER investigated this matter to see if such trucks prove up on that basis?

Well you ought. THERE ARE SOME SURPRISES in store for those who do. FOR OBVIOUS REASONS we cannot publish

figures-because business ethics forbid us to

publish names of competitors. BUT ANY REO DEALER can show you comparative data, kept by big concerns, of this 1500-pound Reo doing the same work, side by side with others of well known makes costing 50% to 100% more-and in every case the Reos show lower upkeep cost!

SO, WHILE THE REO IS PAYING back, in efficiency and economy, its total first cost, the other isn't even making good on its promise to pay back the difference. HOW CAN WE REO FOLK make a truck of

this quality and sell it at this price?

SUMMED UP IN A FEW WORDS it is this: The Reo product has been standardized for longer and it was the result of riper experience to begin with.

ADD TO THAT our superior manufacturing facilities and our cash purchasing power and you have the reasons for our lower factory cost. AND THE OVER DEMAND which Reos

always enjoy cuts our selling cost down to a percentage that is the marvel and the envy



miles. In telling of the trip at a din-ner of the Motor Truck Club, New York, Wednesday evening, Fourth Assistant Postmaster General Blake-slee declared that this event was the first time in the history of the coun-try, by freight, express or mail, that a shipment had been made from pro-ducer to the consumer in one day, over a distance of more than 100 miles. **Farmer Taking Auto** "It is an epoch in the history of



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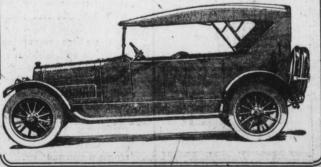


"EIGHT" With 80 Less Parts

When you get this great motor under your control on the road you'll be sold. There is no resisting the appeal of boundless power without vibration, at low cost for gasoline.

Let us prove this the simplest of "8" Motors by demonstration.

> E. L. COWDEN 108 Market St.



and equilibrium is in any way lack-ing. "At a government aero base the writer recently, witnessed the bal-ance test-of ten applicants. Five of the men had undergone extensive motorcycle training. The other five had no such experience. The five motorcyclists qualified with an aver-age time of five seconds each in ad-justing themselves to an even keel after being put through the tests. Of the other five men three were re-jected, while the average time of the two successful applicants in adjust-ing themselves to the test was fif-teen seconds each. "Most motorcyclists have thor-oughly familiarized themselves with the operation and upkeep of their motors and have thus acquired the fundamental knowledge without which a thorough schooling in me-chanics would be necessary. The tiny little motorcycle motor is in reality a sort of Lilliputian aircraft unit. Technically it bears a greater simi-larity to the airplane motor than any other type of Internal combus-tion engine.

tion engine. ENTERTAINS FRESHMAN CLASS Mechanicsburg, Pa., March 30.—Miss violet Surface entertained the Fresh-man class of the high scbool, of which the sa member, at her home, near town, on Thursday evening. The young people spent a merry time play-ing games, after the business session, and retreshments were served to: Miss Kathryn Haselet. Miss Mildred Gar-rettson, Miss Audrey Cocklin, Miss Mirism Orris, Miss Florence Simmons, Miss May Shopp, Miss Kathryn Whit-comb, Miss Ethel Balsh, Miss Minnie Baer, Miss Kathryn Rupp, Miss Pris-eilla Surface and Miss Violet Surface; Harry Mohler, Vance Nallor, Frank Uirich, C. K. Morrett, John Fahs, Mer-vin Keller, John Brougher, John Bentz, Clyde Rider, Dadd, Coover, Arthur Fponsler, Waynew Kiste Normal School.



Famous For Its Marvelous Motor

CHANDLER

There's New Style and Beauty In this New Chandler Model

N^O other model of any make of car has ever prompted greater enthu-siasm and more widespread admiration than has the new four-passenger Chandler Dispatch Car.

Many makers are offering models of this general type and style but you may search the whole market and not find in any other car such grace of sweeping line, such complete harmony, such striking beauty of design and color as characterize this new Chandler. And in no other, of course, will you find the marvelous Chandler Six motor; powerful, quiet, fast.

The demand for this new model is greater even than anticipated by the Chandler Company-a company accustomed to success. You will do well to place your order with us now.

SIX SPLENDID BODY TYPES

en-Passenger Touring Car, \$1595 Four-Passenger Roadster, \$1595 Four-Pass. Dispatch Car, \$1675; Five White Wire Wheels, \$110 Extra wertible Sedan, \$2295 Convertible Coupe, \$2195 Limousine, \$2895 Seven-Passenger Touring Car, \$1595 Convertible Sedan, \$2295 (All prices f. o. b. Cleveland)

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