

DIETS BUCK UP AGED ENGINES

American Research Foundation Gives Recipe for Adding Life to Car

CAGO (AP)—Feeding an old engine a different oil is one of the latest methods of increasing the life of cars. It is described in the Bulletin of the American Research Foundation, which says that spread of scientific knowledge of lubrication is saving American motorists millions yearly in bills and depreciation.

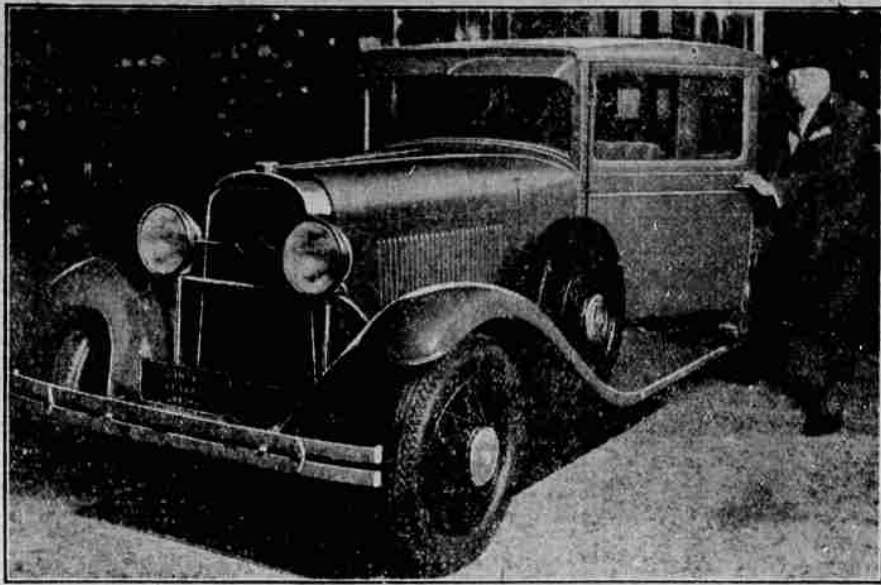
From the early days of the automobile, says the bulletin, "scientists have known that oils possessed various degrees of lubricating value. At the right grades for various conditions, they conducted a long series of researches. At last they discovered that cars of different makes might require different grades of lubricant for best service.

It is a second important discovery that, like the human body, the car needs different oil in its infancy and in old age. The old days the motorist was asked for oil. Lubricating oils were all alike to him. As his knowledge increased, he asked, "Is the best oil you can give me for my make of car?" With the increase in his scientific knowledge, he asked, "What is the best oil for my make of car, as far as this car has been used?"

ence therefore claims to give motorists better performance, less resultant longer life, increase in operating cost, and a saving in repair bills more than offsets the slight increase in cost of the oil.

TIRE EXPERTS LOWER ASHINGTON (AP)—Exports of pneumatic tires decreased not in value but also in volume year. The drop was attributed to the overstocked market to end of 1927, heavier competition from foreign manufacturers, and the growing importance of American subsidiary companies in foreign countries. All automobile exports decreased in 1928, about \$4,000,000, owing primarily to lower valuations. Inner tubes and other classes showed an increase in volume.

PAUL POIRET PICKS OLDSMOBILE



M. Paul Poiret, famous designer and style arbiter of France, and the Oldsmobile de luxe Landau he purchased while in Chicago during the National Automobile Show. The above picture was taken shortly after M. Poiret had signed an order for the Oldsmobile, which is being delivered to him in Paris.

Hoover's Skill Has Monuments Scattered Over Face Of Globe

By Herbert C. Plummer (Associated Press Feature Writer) WASHINGTON (AP)—From California to the border of Turkistan, Herbert Hoover's skill as a technician and coordinator has left its mark. Today, both at home and in the far flung centers of civilization, a multitude of projects bear evidence of his handiwork.

Hoover's career as a mining engineer dates back to 1897. A gold boom was sweeping Australia. Only a short while out of Stanford university, he was afforded his first big opportunity. An English syndicate wanted a young man capable of installing California methods of mining into their properties. From then on his record was one of achievement, extending from the

equator to the arctic. **First Big Job** This first big job in the desert wastes of Australia attracted the attention of his profession. Over stupendous odds, he determined metallurgical methods, designed equipment and planned development with such skill as to arouse praise from his superiors. He turned to China. That great empire was just beginning to stir from its long period of lethargy, and its leaders were dreaming of establishing a modern industrial state. As a part of this program a bureau of mines was established and Hoover, now 24, selected as its head. His task was to survey the mining possibilities of the empire. The Boxer uprising, however, soon brought an end to this work. After the crisis of the rebellion

Hoover cast his lot with a coal mining company in China, and successfully aided in its reorganization. Later he became chief engineer of the concern, a position he held until Belgian interests gained control and he resigned. **Position Secure** Hoover's position as one of the foremost mining engineers of the world was by this time secure. Up to this time his fame rested on the fact that he was an expert technician. Henceforth he was to be known as a coordinator, an administrator of industrial enterprises, an eliminator of waste and folly. He became a pivot man and leader to a group of engineers who worked internationally. His headquarters were in London, but he mostly was anywhere else in the world. He maintained offices in New York and San Francisco. **Back in Australia** He was back again in Australia, soon. Broken Hill claimed his attention. From the mining of lead

and silver in this region the problem of what to do with the refuse arose. Low grade ore abounded here as well, but the lead and silver would be unprofitable unless some utilization of the by-product could be found. After months of experiment and disappointment, a process to use it was found. Since then dividends have poured from those dumps in the form of zinc.

From Kyshtim he moved to the wild Altai region on the border of Turkistan. Here he discovered and opened up a treasure of base metals, zinc in particular.

Then to Malay From frigid Russia Hoover moved into the torrid Mayalan peninsula. Thirty miles above Mandalay lies a valuable deposit of metals, both base and precious. The problem here preoccupied both chemistry and engineering and took years to solve. It finally was mastered.

Hoover's genius is also to be seen in the United States. Dredging at Oroville and Folsom, Cal.; reclaiming tule lands on the Sacramento; extending gold mines at Ouray, Colo.; developing potash deposits in Death Valley; running pipe lines for oil from Midway to Los Angeles; opening copper mines at Roseland—in all these, Herbert Hoover had a technical or administrative hand.

During these busy years he found time to put something of his knowledge of the fundamentals and details of his work into book form. "Principles of Mining" has been a standard text for students of mining engineering since its appearance in 1909. Previous to publication of this book, Hoover had collaborated in the production of another called "Economics of Mining."

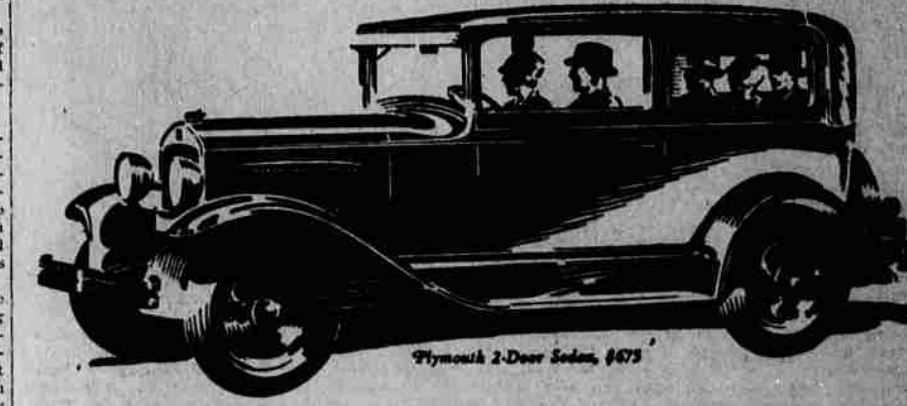
In 1912, with the aid of Mrs. Hoover, herself a graduate geologist, he privately published an English translation of Agricola's "De Re Metallica," the first great treatise on mining and metallurgy and mining, originally published in Latin in 1556.

HUGE TRUST RUMORED NEW YORK (AP)—The merger rumor fields are now flowering with glittering tales regarding the investment trusts, since the crop of motor merger stories seems to have been harvested for the time being. One particularly impressive specimen is to the effect that leading English, Scottish and American investment trust heads are planning the largest international investment trust ever, with capital of about \$1,000,000,000.

IMPROVE BUTTON SUPPLY NEW YORK (AP)—The National Association of Button Manufacturers is working with the United States bureau of fisheries in research to increase the supply of shells through study of the propagation of mussels. Preliminary reports of the work state that not only is the possibility of increasing the supply indicated, but also of developing a product better suited to button making.

TEST ORE DEPOSITS TORONTO (AP)—Canadian iron interests are exploring the heavy ore deposits of western Ontario to learn their commercial possibilities. It is hoped these deposits may be used as a source of supply for Canadian furnaces. A carload of the ore has been shipped from Kaministiquia, where deposits amount to several million tons, to Ottawa for analysis.

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