

**GAIN OF MILLION CARS LAST YEAR**

**Startling Increase in Production in America; No Letup Is Seen**

WASHINGTON (AP)—Almost 1,600,000 more automobiles were produced in the United States in 1928 than in 1927.

This startling increase in production is based on the reports for the first 11 months of the year and an estimate for December exact figures for which are not yet available.

Manufacturers forecast an even larger increase for 1929 because of added road mileage contemplated and the increasing demand for automobiles abroad.

The production figures for each month in 1928 follows: January, 231,728; February, 227,798; March, 412,796; April, 419,194; May, 425,782; June, 396,796; July, 292,076; August, 461,288; September, 415,285; October, 397,996; and November, 256,926. The figures for December, still unavailable, are almost certain to exceed the 1927 mark for the twelfth month of 133,571 automobiles, experts say.

Although many factories were preparing for production of new models and slowed production of their 1928 designs, more motor vehicles were shipped from factories in the United States in November than in the same month of 1927.

Reports made to the department of commerce show that 256,926 motor vehicles, of which 217,256 were passenger cars and 39,680 were trucks, were produced in November. These figures compare favorably with 134,370 vehicles produced in the same month of 1927.

Approximately 4,300,000 automobiles were produced in 1928 while 2,401,226 were shipped from their factories in 1927. The 1928 production figures may pass the 4,400,000 mark when all reports have been made.

**AUTO EXPORTS TO BRAZIL ON THE INCREASE**

WASHINGTON (AP)—Brazil is America's fourth best customer for motor vehicles.

The total number of assembled cars and trucks exported to Brazil last year, according to department of commerce reports, was 25,129, an increase of 11 per cent over the previous year.

Argentina is the only Latin American country which buys more American motor vehicles than Brazil. The registration of motor vehicles in Brazil showed more than 95,000 automobiles, 40,000 trucks and 1,000 busses in operation.

During the last five years there has been a phenomenal growth in demand for trucks in Brazil. The truck demand increased from below 200 in 1923 to more than 11,000 last year.

The present demand, according to department of commerce field experts, is for vehicles of light weight and low cost. Lack of adequate roads is the principal reason for the few heavy and more expensive vehicles.

Ohio Divorces 15,000

COLUMBUS, Ohio (AP)—In Ohio 15,000 divorces were granted last year, and 10,000 children taken from home and placed in child-care agencies. Belle Greive, state public welfare official, sees a connection between the two sets of statistics.

**Scientists Studying to Learn Why Motor Misses on Getaway**

By William E. Berchtold (Associated Press Automobile Editor)

WASHINGTON (AP)—Fuel and motor experts of the bureau of standards are seeking an answer to the motorist's question: "Why does my engine miss sometimes when I step down on the accelerator?"

There is a deep-seated scientific problem behind the rather simple query which is a commoner one than the individual motorist realizes, the experts say.

Is the fuel to be blamed, or is the engine, or the carburetor which mixes the fuel and air for the engine? How can the fault be eliminated? These are the elementary questions to which the bureau of standards, in cooperation with the automotive and petroleum industry, is seeking the answer.

Early experiments to solve the problem indicate a general relationship between the character of the fuel and the acceleration performance obtained with it. The tests have shown that of two fuels, the one which gives better acceleration under conditions of winter operation may be poorer than the other under summer conditions.

It also has been learned that while an engine will accelerate about as well with cold jacket water as with hot, heating the intake manifold greatly improves acceleration. The acceleration obtained with mixtures both leaner and richer than those normally employed has been accurately measured to determine the advisability

of their use for general purposes. The bureau of standards' investigation will continue the study of the relation between fuel and acceleration performance and will test the effectiveness of carburetor auxiliary devices designed to give nearly as good acceleration performance with a low grade of fuel as can be obtained with a high test gasoline.

The tests also have shown that while a high test gasoline is valuable to aid in starting the engine in cold weather, it is of little added value during extremely warm weather.

The ultimate object of the cooperative investigation is to determine what volatility of motor fuel is most economical from the standpoint of starting, operating and acceleration performance in an effort to conserve American petroleum resources.

The bureau of standards must determine, as a part of its governmental functions, the volatility of gasolines sold to the public. Whether those gasolines should have a higher volatility or a lower volatility must be determined as new scientific investigations show the way for greater efficiency with lower grade gasolines.

Both the petroleum and automotive industries are watching the bureau of standards' investigation closely with the hopes that some device or method may be worked out to use lower grade gasoline with greater efficiency in acceleration.

**EXPECT A LOWER AUTO DEATH RATE**

**Unless December Total Is More Than 2,800, Past Year in Decrease**

CHICAGO, Jan. 5 (AP)—Unless the nation's December auto accident toll was greatly increased over that of the same month last year, 1928 will show a decrease in auto-

mobile fatalities over 1927, the national safety council said in reporting 2,400 auto fatalities in November.

The eleven months total for 1928 was nearly 23,000 lives. Among cities of more than 100,000 population Chicago had the highest automobile death rate.

The 2,400 total represented an increase of 6.5 per cent over October, but a small decrease from November 1927.

November also brought 1,200 home accident fatalities, 60 per cent of which were caused by burns and falls and 15 per cent from poisoning. One third of the

victims of deaths from burns were children under five years of age. A toll of 25,800 lives was taken by automobile accidents in 1927.

KINGSTOWN, St. Vincent, West Indies (AP)—The production of mice on a small farm near Rayleigh has reached 300 daily. The animals are used for cancer research work.

SOFIA, Bulgaria (AP)—The Holy Synod of the Bulgarian church, alarmed by the high rate of suicide, has addressed a memorandum to the government urging strong measures to meet the crisis.

**Movie Shows Motor In All Its Workings**

PITTSBURG (AP)—The Story of the Gasoline Motor, a new educational motion picture film produced under the direction of the U. S. bureau of mines, depicts all processes involved in the construction and operation of the gasoline motor.

In preparing the film many types of automobile engines were cut apart so that every action of the working parts of the engine could be shown graphically. Many of the scenes were made in widely

separated foundries so that views might be shown of the actual forging of engine parts.

The three-reel film, which is to be distributed without charge for its use through the Pittsburgh experiment station of the bureau of mines, will be used to instruct school children, automobile mechanics, and motorists interested in the mechanical details of their automobiles.

BOSTON (AP)—Boston has one lunch counter restaurant that employs 1900 persons and feeds 25,000 patrons each day. The owners plan to establish another unit.

**New Chevrolet Delivered Here On January 1**

Starting the 1929 season off in a good style, George Fuller was the purchaser of the first of the new six cylinder Chevrolets on sale in La Grande. The car was delivered to Mr. Fuller Jan. 1.

Many people during the last week have visited at the Blue Mountain garage to see the new Chevrolet sixes which have just arrived in this city.

One of the latest of the models is at the garage now. It is a Crockett brown convertible landau with Mistino gray borders striped in Shalimar orange. Mohair upholstery and steel disc wheels, an adjustable driver's seat, a new rubber covered steering wheel with horn button in the center, are some of the features of the new model.

A complete instrument panel which includes choke, gas and spark controls, ignition switch, water temperature indicator, speedometer, oil gauge, ammeter and electro lock, are other features.

The semi-reversible steering gear with solid steel shaft makes the car safe and easy to handle, says M. A. Harrison, local dealer.

The driver's seat in all closed models is adjustable by means of a regulator, he says, and all closed models are equipped with Teranstedt window regulator and remote door controls.

**PERKINS CO. EXPECTING 2 NEW MODELS**

Two new models of the Ford automobile which have just been manufactured by the company at Detroit are expected at the Perkins Motor company. The cars, which will arrive this month and next, include a taxicab and a town car.

The taxicab includes a driver's compartment, a baggage compartment and a compartment for five passengers.

The town car is a chauffeur driven car with a chauffeur's compartment, space for five people and all of the appointments which high class cars of that type possess. It sells for \$1355.

A roadster pickup has been delivered in La Grande and was sold to Ed Miller, of Union Thursday. A new feature of the pickup is the closed cab optional equipment at \$50 extra. Mr. Miller is the first purchaser of the new model.

**Prices on Plymouth Cars Are Lowered**

Prices on all Plymouth closed cars were reduced, effective December 21, by the Plymouth Motor Corporation, division of the Chrysler Corporation. The savings are from \$25 for the two-door sedan, and \$30 for the coupe with rumble seat, to \$40 for the four-door sedan and de luxe coupe.

New economies in manufacture, almost revolutionary even to the building of motor cars, together with the big public demand the Plymouth has created ever since its introduction to the public last July, make this action possible, said J. W. Frazer, Plymouth sales manager.

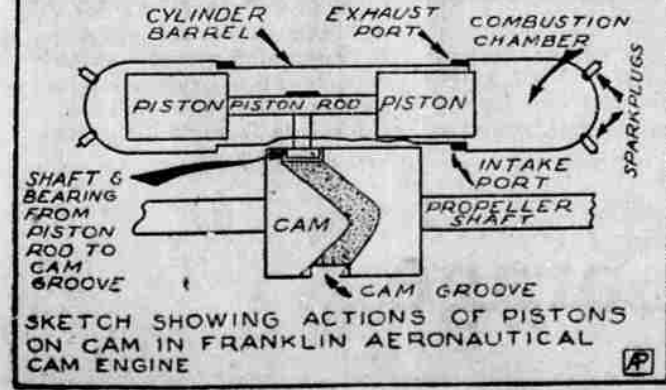
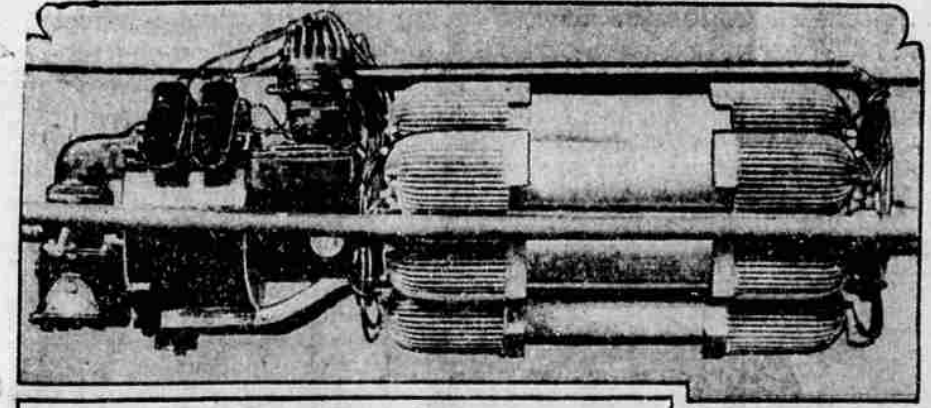
MOSCOW (AP)—Unemployment among women has increased 80,000 during the past two years in the face of efforts by the government to facilitate the entry of women into industry. The total number is now more than 600,000.

**Nation Has Fine Roads**

WASHINGTON (AP)—The United States has almost a monopoly of the high type road surfaces in the world; 97 per cent of the bituminous-macadam, 94 per cent of the bituminous-concrete, and 96 per cent of the cement-concrete.

The sale of miltetoe is reported to be light this year. Gin sales, however, are said to be increasing.

**ENGINE WITHOUT CRANKSHAFT FOR PLANES**



An airplane engine (above), which has no crankshaft or valves is the invention of George E. Franklin (right), Miles City, Mont., mechanic. It is to be manufactured in Kansas City. The diagram below explains how the engine transmits power.

**Announcement**

By

**CHAS. PLAYLE AND AUDMER PLAYLE**

We are pleased to announce that you will find us ready to greet our many friends and patrons at the old stand. Our station has been re-leased and we are going to put it back in shape in order to give you the kind of service that will set a new standard of excellence.

**TIRES**

Our tire department will be one of our main specialties. After looking over the tire field we have decided after a thorough investigation to give you what we firmly believe to be the "class" of all tires. That tire is Dunlop—made by the oldest and largest rubber company in the world—with factories in every civilized country. We will have much to offer—both in service and quality. Watch for future announcements.

**GAS and OIL**

We will feature the New and Better Texaco Gasoline and Texaco Golden Motor Oil—the only oil and gas sold under the same name from coast to coast. This new gasoline is a dry gas that eliminates excess dilution in your crankcase besides giving quick starting under any condition—the same at Christmas time as on the 4th of July. Texaco Golden Motor Oil is a free flowing oil that does not jelly in cold weather. Yet, it has body to lubricate under extreme summer heat.

**Complete Car Service**

**GREASING**

This important job can be entrusted to us—and you will know that every point on your chassis and motor will be oiled and greased with exacting care. Our new gear flusher creates a vacuum that cleans out all congealed oil and any particles of metal that are bound to chip off. You can save money by prolonging the life of your car—and proper oiling and greasing is most essential to long life in any machine.

**WASHING**

Bill Keltner will have charge of our car washing department. His former reputation for excellent work is his best recommendation. Our equipment includes the latest car washing devices—new pressure pumps force a cleaning solution into every part of the body and chassis. We advise that every so often you have your car polished—it will bring back the original lustre—just like it comes from the factory.

Doyle Zimmerman and June Stalcup

**Playle Oil Company**

Corner Adams and Greenwood

Super Service Station -- Always as Near as Your Phone