The Automobile

MAIN FACTORS OF GAS ENGINE ARE EXPLAINED.

With very little attention from the open and the burned gas is allowed to car's owner this piece of machinery escape from the cylinder into the goes on day after day performing the muffler. The muffler provides a chamservice for which it was designed, ber in which the gas cools and silently Without this dependability the motorescapes to the air.

In a life would be hectic indeed.

This is the gaseline engine now used into five points. First the piston.

t's life would be hectic indeed. The action of t This is the gasoline engine now used into five points. form, of a single cylinder something valve into the cylinder. Second, the like a stovepipe. Inside of this cylin-inlet valve closes, the piston travels der slides a plug of metal, shaped to inward and the gas is compressed into fit the interior of the cylinder snugly. a small space at the top of the cylinder snugly. This piston is connected to a crank by der. Third, a spark occurs igniting means of a connecting rod which the gas and causing it to expand. This transforms the back-and-forth or reforces the piston outward and prociprocating motion of the piston into duces the power which drives the marotary motion. In the automobile chine. this rotary motion in turn is transmit- opens and the burned gas is forced out

made up of from four to twelve of thest inward position the cylinder is these cylinders coupled together. They ready to take in a new charge of gas are most usually found in a combina-tion of six cylinders. However, there
OIL SUPPLIED AUT are many four-cylinder cars and some the original motor car engine had but one cylinder, a larger number of cylinders were added as greater power and flexibility were desired. The tend-gine is in operation. and flexibility were desired. The tend-ency now is to greater use of six and sight cylinder machines.

To keep the tremendous heat of the

it at a different time.

By way of causing the engine to buting the sparks to the different cylgenerate power a mixture of gasoline and air in the form of a vapor is fed inders at the proper time, an electric into the cylinder above the piston. To generator for providing electricity to provide this mixture a carburetor is cause the spark, a battery in which to attached to the engine and a valve is store the current generated, and an furnished which opens to permit the electric motor operated by the battery mixture to enter at the proper the content of the engine in starting

cy inder and then ignited by means of a long period of time. spark which occurs at the spark plug. When the mixture is ignited it burns rapidly and produces heat. This in turn causes pressure on the piston, forcing it to slide in the cylinder and through means of the connecting rod That which makes thousands, perhaps to turn the crank.

The piston having been forced to

in Western Canada.

1925, as reported by the Dominio

increases in value while slight de

amounted to 115,520 cwt., valued at

ercial fisheries of the provinces and

per cent. of the total value of the con

Explained.

mer resorts? Isn't one enough for you?".
"Sure, but I want another one for

"Why are

The value of production of the com-

Under the hood of the modern auto- the end of the cylinder, another valve,

This is the gasoline engine now used into five points. First, the piston in practically all automobiles in this trevels outward and draws gas from country. It consists in its simplest the carburetor through the open inlet form of a single eviluder countries. Fourth, the exhaust valve ted to the rear wheels.

Engines in motor vehicles are now when the piston has reached the fur-

OIL SUPPLIED AUTOMATICALLY.

we eight and twelve cylinders. While the engine so as to keep the pistons

eight cylinder machines.

CYLINDERS ACT ALIKE.

To understand the operation of the single cylinder is to appreciate the action of the twelve-cylinder engine or any other number. The twelve cylinders are all the material and the special and the speci ders do the same sort of work as the car for cooling the water and a pump single cylinder except that each does the cylinder jackets and the radiator

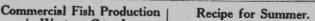
This valve is opened by a cam which is driven by a suitable gearing attached to the crankshaft.

This valve is opened by a cam which is driven by a suitable gearing attached to the crankshaft.

With an ordinary car it will give the content of the starting. This mixture is compressed in the pendable service to the motorist over

And a small drop of ink. Falling like dew upon a thought, pro-

duces millions think.



For perfect strawberrying wait till the sun is high And take no basket. Let the fields be

mercial fisheries of the three Prairie
Provinces and the Yukon Territory in

Down to their roots. Then choose Bureau of Statistics, was \$2,380,526, an Of sheeted daisies mixed with butter

increase over the preceding year of \$307,591. Manitoba and Alberta show cups, Sloping if possible to an expanse of

creases are shown for Saskatchewan Be sure the clover is abundant there Yukon Territory. Pickerel, white-So that you breathe its fragrance with flict.

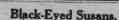
fish and tullibee, in the order named each breath. are the principal kinds of fish in Mani-If birds are singing, pause to listen to toba; whitefish and trout in Saskatche them. wan; whitefish, pickerel and pike in Alberta, and salmon in the Yukon Ter

Till sight and sme'l and sound are all commingled The catch of whitefish in the emotion; then, facing north, provinces and territory under review

Look for your berries near the redden-This value represents 44

so you will find the recipe for summer -Elizabeth J. Coatsworth.

has to do.



fact that the franc at present is worth less than three cents instead of the normal twenty cents.

tawny brightness

am she grew.

tian Science Monitor.

The board of your table, The bed on which you lie

I am the handle of your hoe,

The door of your homestead.

And the shell of your coffin

flower of beauty

Ye who pass by, listen to

Harm me not!

ways of showing it.- E. A.

British Incomes Would

for all trees, and this is one of his

And the timber that builds your

hands would hold!

ly dear Black-eyed Susan, so glad I

-Katharine Allison MacLean in Chris-

Exhibited to British Scientists The sky was the bluest blue, London—A tiny vial, containing cosmetics used by Tutankhamen 3,300 years ago, found in the alabaster coffer in his tomb, was produced at the British Association meeting at Oxford by Chanston Chapman, an eminent chemist, to whom it has been entrusted for analysis.

The clouds were the flumest white, As over the hill we went, we two, To look for a new delight.

And we found it not far away In a field near a singing brook; A riot of color so gay That we lingered awhile to look. Then I lifted he over the fence For her age is—well, not quite three, And we bardly knew where to commence

Scientists of both sexes smelled mence mence To harvest a treasure so free found .- The body of the ointment ap-

Cosmetics of Tutankhamen

pears to be animal fat. How Should a formula be found for the manufacture of King Tut's facial And her own frock was yellow, dark cream it may be put on the market.

Coal Strike Enables Londoners to See the Sun

London.-English industry is suf-London.—English industry is suffering from the continuance of the coal strike, but English weather is benefitting from the stoppage. Not since the last coal strike has the atmosphere been so clear and the visibility so good. On the longest day of the year Londoners could see the Surrey Hills fortz miles aways a tree in one of the parks in Seville):

To the Wayfarer. rey Hills, forty miles away—a treat Ye who pass by and would raise your

rarely vouchsafed to them.

In spite of the fact that the normal total of sunshine in June and early July was far below normal, Central London had a considerable excess. The friendly shade screening you Westminster had about fourteen hours from the summer sun. more sunshine than the June average My fruits are refreshing drafts,
—all on account of the delightful ab- Quenching your thirst as you journey sence of smoke.

Germans Are Rebuked in Von Bissing Will

London, Aug. 8 .- In his will Baron Walter von Bissing, half-brother of the General von Bissing who, as Mili-tary Governor of Belgium in the Great War, allowed the death of Edith Caveil, reaffirmed his dislike for Germans, often expressed during the con Born a German, he became a naturalized Englishman, and a resident of Sussex. He died recently in

San Remo, Italy. "I desire particularly to express," he wrote in his will, "in the most em-phatic and precise terms, that under no circumstances whatever is any Ger man, whether a relation of mine or And eat without delay, staining your fingers—

Inal, whether a relation of limite or otherwise, to have any voice or right in or over the guardianship or bringing up of my children.

Von issing visited Canada in 1921.

Gratitude.

investments, according to Sir Josiah Stamp, eminent economist, and Dawes Theft of a Hedge.

Once in a long while some boy or A handsome privet hedge surround ed the home of S. Foster Hunt at Providence, R.I., but someone stole 15 whereat we take fresh courage to do feet of it. The hedge, deep rooted, proof of another. Recently a girl of twenty whole people, there would not be more than \$1.25 additional for each family.

TINY STANDARD PIANO PRESENTED TO QUEEN FOR HER DOLL'S HOUS

As a protest against the Mellon-Berrenger Debt Agreement, 20,000-French war veterans recently paraded past the George Washington statue Paris. The photograph was taken after they had visited the Arc de Triomphe and laid a wreath there. France's debt problem may be expressed by

London. They received an enthusias-tic demonstration in the decorated else in the ministure English mansion, streets. Their tour of the factory are constructed on a scale of one incli-

an hour and a half, and in to the foot. cluded inspection of instruments manufactured by the firm since 1790, including the Broadwood used by Chopin.

Ten employees were introduced to the King and Queen whose collective terms of service totalled 528 years.

Queen Mary's dol's house also tributions from the forement living.

Queen Mary's do'l's house also boasts a miniature phonograph, which writers of England. Its thirty-six really plays. It is a cabinet model rooms are decorated with four inches high and plays records one stamp-size tapestries and and five-sixteenths inches in clameter. William Orpen painted

The Queen's collection of doll's this instrument, and when it was house furniture has been augmented by a standard plane on a three-inch ficulty in making records to fit it. But is made of satinwood and, while it the realism had to be complete, and cannot be played, it is outwardly perfect and complete even to the pecking. cannot be played, it is outwardly per-fect and complete, even to the pecals.

The occasion of the presentation was a visit of the King and Queen to the Broadwood plane factory, in East End,

It took seventy persons to turn out representations of the King

German Workmen Get \$9.56 Weekly Average

Berlin.-The average skilled work-

for married I am the beam that holds your house,

I am the bread of kindness and the Strikes are few because jobs or scarce. Forty-eight adults out of every 1,000 men, women and children The Spaniard has a great admiration are jobless in Berlin.

Will Not Blend. The Fascist Government is trying to Allow \$1.25 Per Family popularize the potato in order to save wheat by minimizing the consumption London.-Not more than 1,000 able- o maccaroni and spaghetti, but some bodied idle rich in this country draw how an Italian and a potato seem about incomes exceeding \$50,000 a year from as far apart as an Irishman and spaginvestments, according to Sir Josiah hetti.

Increase in Registration of Silver Foxes in Canada.

Close to 70,000 pedigreed silver man in the fifteen leading German in-foxes have been registered by the dustries earns the equivalent of \$9.56 Canadian Live Stock Records since the a week of forty-eight hours, the Min- inauguration of the work in 1919. With istry of Industry and Commerce reports. From this wage the employers ginning on January 1, 1926, only those deduct for the Federal government an income tax averaging nine per cent. for single persons and eight per cent. or married.

The organized building trades workers, plutocrats of German labor, draw in a great increase over previous \$13.15 a week. Miners rank second years. In 1919, the first year of recordwith \$11.70. The average weekly pay ing foxes, 805 pedigrees and 152 trans-of unskilled male workers is \$7.75. The term were recorded; in 1924 the totals cost of living as shown by official reports is almost as high as that outside of metropolitan districts in the United 36,297 pedigrees and 10,747 transfers. In all 66,900 pedigrees have been re-corded since the beginning.

Conscience Money The war office has received £5 anonymously from a London man as conscience money.

Romans Had Many Slaves Slavery was commercialized by the Romans, some of whom had 10,000

Happiness is a perfume you cannot pour on others without getting a few drops on yourself.

ish Association. Many rich people, he said, do important work for which DRAGONS ON ISLE NEAR AUSTRAL

The Noise Reminded Mutt of a Glass of

London.—Alan Cobham, the famous parently are direct descendants of the

revided a difficult and thresome task of removal, and it was obtained only by dint of great digging and pulling, but apparently no one saw the thief and he worked undisturbed until he had due up enough to start a new hedge of his own.

Pacific's Great Size.

In area the Pacific ocean is greater than that of all the land in the world.

The secret of happiness is not doing what one likes, but liking what one likes.

J. J. Ke.'so.

When double was jokingly expressed she pulled up the locket from some hidden recess and opening it revealed a much crumpled newspaper cut that had been printed years before. She seemed as proud of it as though it were a two-hundred-ol-lar miniature and when presented with a better one has to do.

The secret of happiness is not doing what one likes, but liking what one likes, but liking what one likes, but liking what one likes to do.

The set of it. The hedge deep rooted, provided the happines and pulling, but it has been printed the happines and he worked and it carried away the old one that had been printed we take fresh courage to does the happines of another. Recently a girl of twenty called, and in conversation remarked:

"I have your picture in a locket and I carry it always close to my heart."

When doubt was jokingly expressed she pulled up the locket from some hidden recess and opening it revealed a much crumpled newspaper cut that had been printed years before. She seemed as proud of it as though it had been printed when presented with a better one should never a two-hundred-ol-lar miniature and when presented with a better one she had been printed with a better one should never a two-hundred-ol-lar miniature and when presented with a better one should never a two-hundred-ol-lar miniature and when presented with a better one should never a two-hundred-ol-lar miniature and when presented with a better one should never a two-hundred-ol-ol-lar miniature and when presented with a better one should nev

MUTT AND JEFF-By Bud Fisher.





