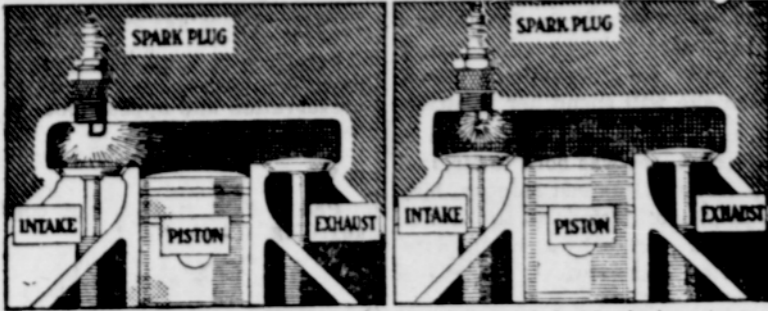
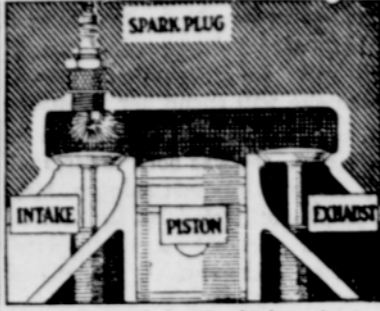


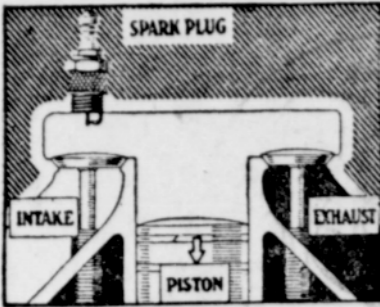
SECRET OF ECONOMY AND SMOOTHNESS IN MOTOR



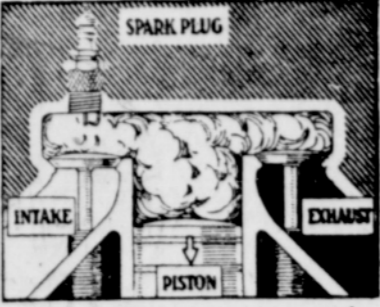
The hot, intense spark from a new spark plug thoroughly ignites the cylinder mixture of gas and air.



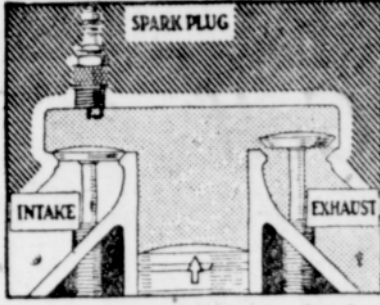
A weak spark hasn't the intensity to ignite the mixture fully. This is the beginning of imperfect combustion.



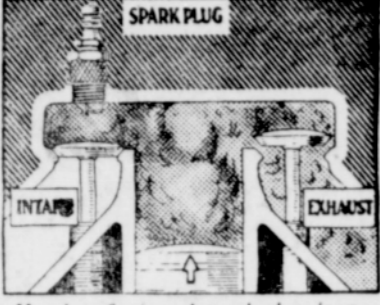
This hot spark has resulted in the cylinder mixture being entirely burned. Complete combustion shown by white.



This weak spark produces so much slower burning that combustion is not completed, as at the left. White shows unburned gas.



Here the burned gas is being forced out through the exhaust valve. Full power is shown, no live gases escaping.



Here loss of power is shown by slow burning of the mixture. Live gases actually being expelled through the exhaust.

The picture shows how a hot, full spark fires the compressed mixture so that it is consumed completely and full power is extracted from the fuel. It also illustrates how the faulty firing of a weak spark wastes live gas vapor, deposits carbon, and sets up conditions inside the engine that may result in costly repair bills, says an authority.

In the general movement to conserve the nation's natural resources, considerable attention has been directed to motor-car owners, explaining the action of spark plugs and their relation to the consumption of gasoline and oil. As a result, an astonishingly increasing number of owners are now replacing their obsolete and out-of-date porcelain bore plugs, which delivered to the spark points only about 40 per cent of the electrical energy generated, with a spark plug having a core made of opalite, which has an insulating resistance almost seven times greater than porcelain, thus insuring the delivery of 100 per cent of the current generated. Not only is the engine operation improved in every way and the

need of tinkering and repairs lessened, but the new spark plugs save their cost many times over in oil and gasoline alone.

Why this is so is readily apparent when a study is made of how an engine operates.

As the engine turns over, gasoline is drawn through the carburetor. There it is mixed with the air enters the cylinder as a highly inflammable gas vapor. This mixture is compressed by the upward stroke of the piston. At the proper split-second it is fired by the spark, which leaps across the electrodes of the spark plug. The gas expands greatly as it burns with great rapidity, thus generating power. If the spark plug is efficiently insulated the spark produced is hot and full. Such a spark instantly ignites the compressed mixture, which is completely burned. Only the burned gas passes out the exhaust.

On the other hand, if the spark plug is inefficiently insulated, as it must be in the spark plug with the porcelain core, the spark is weak and does not ignite the gas mixture instantly and completely, consequently the mixture does not burn entirely before the exhaust valves open, that which is partially burned deposits itself around the valves and pistons in the form of destructive carbon and is wasted through the exhaust. Some is condensed and works by the pistons to dilute the oil in the crankcase. Power is lost, engine performance is seriously impaired, and conditions are set up within the engine by reason of the accumulated carbon and resulting acids which make costly repairs necessary.

HAULING OUT. Long about this time of the year the boat enthusiasts haul out their craft and go over them from stem to stern. We'll do it to your car. Brockway & Nelson.

Peter Lenard Cleaning and Pressing. Our cleaning plant is in Gresham. We call and deliver. PHONE 1211

Society Will Give Play at Pleasant Home

The Rockwood Dramatic society will present its three-act drama, "The Colonel's Maid" Saturday evening, June 2, at the Multnomah grange hall at Orient, beginning promptly at 8:15 o'clock. This is said by those who have seen it to be a splendid production and this amateur society has been very successful in previous presentations. All who attend are assured an evening of splendid entertainment.

The gardens and other vegetation are showing their appreciation of the welcome showers by increased growth. The dry weather just ended was of unusual duration for so early in the season.

The picnic, tendered the winning side in the recent contest at the Baptist Sunday school was held in the orchard on the G. Nasshahn farm. All present enjoyed the day very much, especially the ice cream. Games and races took up the afternoon and prizes were awarded the winners in the races.

Mrs. Hector Morgan and baby daughter, of McMinnville, were recent guests of Mrs. Morgan's parents, Mr. and Mrs. Adolph Sester.

Mr. and Mrs. W. E. Nelson of Portland spent the week-end at the home of Mr. Nelson's parents, Mr. and Mrs. H. C. Nelson.

Mrs. Josie Anderson returned Sunday from Port Angeles, Wash., where she had been for two weeks. She is at the Nelson home for a few days but expects to return to Port Angeles for the summer where she will care for her daughter who is in very poor health.

John Brink and Cliff Nasshahn, who are employed at the Sandy Lumber company saw mill at Brightwood, were among the fire fighters who combated the blaze threatening the Bull Run reserve last week. They spent the week-end with their parents and "caught up" in the sleep lost while so strenuously defending government property.

Henry Brink and Roy Rich have gone to work with a road grading crew in Washington.

Mr. and Mrs. Robert Miller and Miss Wilma Chase drove to Ione Saturday afternoon to spend the week-end with Mr. Miller's parents, Mr. and Mrs. Frank Miller.

C. W. Stephens is visiting relatives in the community for a few days, also is doing some work on the family lot in the cemetery.

Mrs. G. E. Bauder, a former resident of Seaside, was a guest at the Duncan and Altman homes over the week-end. Her son-in-law and daughter, Mr. and Mrs. Ferry Smith, drove out from Portland Sunday and Mrs. Bauder returned home with them.

M. J. Melton, who suffered a relapse of illness recently complicated by an abscess of his left arm above the elbow, is now much improved in health. His brother, assisted by Fred Feshee, has been taking care of the farm work.

Lillie Rybnick is now well on the road to recovery after having been confined to her home with severe illness for several weeks.

Rev. J. B. Coan of Eugene, representing the Wesley hospital at Marshfield, was the speaker at the Methodist morning service Sunday. Miss Winnifred Bossett, third vice president of the Portland District League cabinet, was the speaker in the evening. Joe Drew, Barbara Walters, Lillie Rybnick, Elma Cook, Mabel Carlson, Harry Carlson and Genevieve Bickford were installed as local league chapter officers for the ensuing year by the pastor.

Rev. J. B. Coan, of Eugene, Mr. and Mrs. C. R. Martin of Garden Home were guests at the Methodist parsonage Sunday.

Mr. and Mrs. C. W. Nielson and family, who have occupied the Stevens house in Pleasant Home for several months moved to a small farm in the Lusted district Saturday.

The cemetery clean-up conducted Friday, under the auspices of the Methodist Ladies Aid with Mrs. Mary Miles directing activities, was well attended and what was considered a very creditable piece of work was accomplished. A delightful meal was served in the church basement at noon. The committee expressed appreciation of the splendid cooperation of the people of the community. Notices have been posted by a committee composed of H. L.

A CORRECTION

An error was made in reporting the picking rates for red and black raspberries. The rate agreed on was 2c with a 1/2c bonus per pound instead of 2 1/2c and 1/2c bonus.

D. E. TOWLE

MAY 31, 1928



Arco Silk Underwear

You will find this new line of underwear will make suitable and appreciated gifts

For June Brides

Bloomers, vests, panties, combinations, slips, etc., are carried in all the popular shades.

Elizabeth Frock Shoppe Phone 1331 Powell St.

SCHOOL DIST. NO. 7

The English type home of A. C. Smith on the Barr road is nearing completion. Mr. Smith is his own architect and also the head carpenter, having one assistant. Kohler plumbing is being installed by J. H. Vidler of Portland. From the vestibule one enters the living room, which occupies the right front part of the house. French doors on the front furnish light, while it has as its special feature a large fireplace with built-in book shelves on either side. The dining alcove occupies the left front corner and has windows at side and front. The kitchen is just to the rear of this, and is well equipped with built-ins. At the rear of the house are two bedrooms with a bathroom between. The second floor contains a billiard room, guest room and a sleeping porch. This home is equipped with a furnace and all modern conveniences. The exterior is finished in red brick veneer.

Oil was placed on the Barker road last week and a top dressing of fine rock was placed on this road at the intersection of the Sandy road.

The section house, bunk house and other buildings belonging to the Oregon Washington Railroad and Navigation company at Hemlock station were repainted last week.

The Double Seven Camp Cooking club held a meeting on the school grounds last Tuesday afternoon. The boys and their leader, Mrs. Lois Gray, report a successful meeting.

Mrs. W. E. Tegart was one of the hostesses at a luncheon for the Caroline Lewis club at the home of Mrs. Anna Lundquist of Gresham, May 26. This club is composed of 1926 past matrons of the Order of Eastern Star.

Mrs. Lois Gray and daughter Winnifred of Portland were dinner guests of Miss Mary C. Burns Tuesday evening.

Mr. and Mrs. J. A. Plunkett of Portland were dinner guests of Mr. and Mrs. T. C. Miller Monday evening. After dinner they attended the card party at Troutdale given under the auspices of Troutdale Chapter No. 50 Order of Eastern Star.

Luigi De Thory left for San Francisco Saturday. He expects to return soon accompanied by Mrs. De Thory who has spent the past two months in California.

The Huron (South Dakota) society held a social meeting at the home of Mr. and Mrs. Ulrich Burger Sunday, 25 members being present. This society is composed of former residents of Huron.

Richard Shuman, 60, a bachelor residing two miles south of Boring, died yesterday at St. Vincent's hospital as the result of injuries received Saturday while he was attempting to cross Hawthorne avenue bridge in the middle of the west span.

While trying to get across the traffic lanes of the bridge, Shuman stepped in front of an automobile driven by a Portland man who swerved his car and missed him. According to witnesses the Boring man then walked directly into the right fender, receiving a fractured skull and internal injuries which later proved fatal.

Mr. Shuman disposed of his small place near Boring a short time ago but was still living in the house.

Pleasant View Avenue Mrs. Charles Hornecker returned to her home Thursday from Good Samaritan hospital. She is now getting along well.

Mrs. Ben Halstead had as a Sunday guest her brother-in-law,

NEW LOT of midsummer styles in WOMEN'S DRESSES. Voiles and Prints, organdie trimmed. Just the thing for street or home wear these hot days. Priced at \$1.95 and \$2.95. Walrad Mercantile Co. GREEN TRADING STAMPS Phone 1411 Gresham

TO THE YOUNG MATRON The younger girls watch you with eager eyes. Will marriage enhance your charm or dim it? Carefully selected jewelry, like good grooming, lends dignity and recalls youth. Mealey's Jewelry Store Powell St. Gresham

HARVEST STRAW HATS Protect yourself from the sun. Priced, each 25c. CANNERY APRONS LADIES, you will need one of these, now you can get them. Two grades 39c and 55c. Hepp's Racket Store Phone 1236 GRESHAM

SERVICE FAIR PRICES GOOD MERCHANDISE. These three items enter into every job which we undertake. To these, with our quality, guaranteed work we attribute our steadily increasing growth. Vulcanizing Tires Battery Repair Gresham Battery & Tire Shop Ivy Filling Station Phone 1701

Triple "A" Service Station At Your Service with the Best of Service DICK JOHNSON, Prop. A. G. FRYKHOLM VULCANIZING TIRES and TUBES ACCESSORIES

BACON Pound 18c at Newberg Packing Co., Gresham. Lester Robinette of Eugene, Mr. and Mrs. Lloyd Robinette of Portland were also visitors at the Halstead home. Mr. and Mrs. W. C. Hall entertained at Sunday dinner Mr. and Mrs. Leon Baughman of Camas, Wash. Mr. and Mrs. Glen Harmon became members of the Pleasant Valley grange Saturday evening. Joe Buckley, 10-year-old son of Mr. and Mrs. J. W. Buckley, fell recently while at play and broke his right wrist.

Seasonable Implements that do the work the right way. New Oliver riding or walking cultivators. Planet Jr. cultivators. Mowers, rakes, tedders, binder twine. Meyers Water systems for any type or depth of well, installed. De Laval cream separators — De Laval milking machines. Single or double pulverizers. A complete line of farm machinery and repairs. HESSEL IMPLEMENT CO. PHONE 1141 GRESHAM, OREGON REPAIRS Look that mower over now! REPAIRS

DANCE ROCKWOOD GRANGE HALL SATURDAY EVENING, JUNE 9 Mack's Merry Maids' 6-piece Orchestra Gentlemen, 50c REFRESHMENTS Ladies, 25c EVERYBODY WELCOME