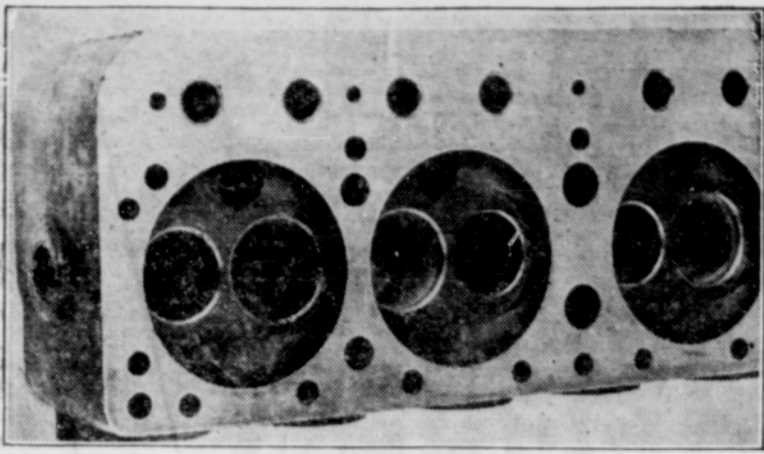


Buick's Direct-Firing Head



One reason for the ample power developed by Buick's six-cylinder valve-in-head engine is the unique design of its cylinder head, half of which is shown here. As in a piece of artillery, all the force of the explosion is concentrated directly upon the projectile, which in this case is the piston, for the combustion chamber in the head fits exactly over its corresponding bore in the block, like the breech of a gun. Only with valve-in-head design, which requires no irregular-shaped chamber to accommodate the valves, can this result be attained. Consequently the valve-in-head type of engine is the most powerful, per cubic inch of displacement, yet devised.

BUICKS FEATURE MANY IMPROVEMENTS

Among the engineering features which share credit for Buick's record-breaking sales since introduction of the 1928 models last summer, is the improved six-cylinder valve-in-head engine, featuring the vacuum ventilator and the counter-balanced crankshaft with torsional balancer. Engine changes in the new models include a new cylinder head, a new camshaft, new and lighter valve-operating mechanism, and an enlarged exhaust system.

Of these changes, one of the most interesting, in Buick engineers' opinion, is the Buick cylinder head, which makes use of the same principle as has long guided the design of firearms, and with the same object: to get all possible force directly behind the projectile. In the case of the engine, the projectile is the piston, and the power which the pistons collectively develop depends upon the force brought to bear upon them by the explosion within the combustion chamber.

The combustion chamber in the engine of the new Buick is circular, with smoothly rounded walls, and is of the same diameter as the piston itself. It fits exactly over the bore in the cylinder block, its walls forming a continuation of the latter's, so that when the explosion occurs, every ounce of power is concentrated directly upon the piston.

Since the valve openings are in the head itself, there is no necessity for an irregular design to accommodate the valves. Just as in the modern gun, the propelling power is introduced through what corresponds to the breech. It is this feature about the design of the valve-in-head engine which makes it the most powerful engine, per cubic inch of piston displacement, yet devised.

An incidental effect of the unusually compact head design is reduction of undesirable cooling of the explosive mixture. Valve-in-head engines are more costly to manufacture than ordinary engines, but the record of satisfaction which they have achieved in Buick's 24 years' experience has prompted their adoption, not only for racing motor cars but for speedboats, airplanes, and other uses where ability to withstand terrific punishment and deliver maximum power is paramount.

SEWING CLUB HAS CHRISTMAS TREE

The Lynhurst Sewing club held its annual Christmas party on Friday evening, December 23 at the home of Mr. and Mrs. H. W. Lynch on the Section Line road. Games were played in which children and grown-ups joined heartily. A beautiful Christmas tree was the main feature of the decorations, and during the evening Santa Claus arrived and presented gifts to all. A dainty lunch was served, followed by music and dancing until midnight. All voted the 1927 party a most happy affair.

CEDARVILLE

Mr. and Mrs. U. G. Smith entertained at Christmas dinner Mr. and Mrs. A. R. Morgan and son Dick and Mrs. Morgan's mother, Mrs. Dick of Chanticleer inn, Mr. and Mrs. W. J. Roy and Mr. and Mrs. Sylvan Roy of Portland, and Mrs. Smith's brother, Ed Hawker, of Albany.

Dr. and Mrs. W. H. Warner and Mr. and Mrs. C. S. Card of White Salmon, Washington, were Tuesday guests at Cedarnook. Mr. and Mrs. Card left the same evening for southern California to spend the winter.

Mr. and Mrs. Percy Giese were the hosts at a recent dinner for Mr. and Mrs. S. C. Jones and sons Guy D. and Hal, and Miss Cora Giese. Later Mr. and Mrs. G. L. Fieldhouse and daughter Jane of St. Helens arrived to spend the evening.

Mr. and Mrs. Arthur Grant's guests for Christmas were Mr. and Mrs. Joe Bell, Mr. and Mrs. T. A. Grant and Grant McMillan of Portland.

Mrs. C. DeWitt and family spent Christmas with Mr. and Mrs. Theo. Van Doninck of Gresham.

Christmas guests at the home of Mr. and Mrs. A. R. Heiney were R. H. West and family of Portland. Mrs. Heiney and Mrs. West are sisters.

Mr. and Mrs. D. B. Brown were

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the guests Christmas day of Mr. and Mrs. H. Hewitt of Portland.

May Rose Bartholomew of Estacada spent several days last week with June and Benny Forbes.

Mr. and Mrs. Walter Forbes entertained at a family dinner Christmas. Those present were Mr. and Mrs. Andrew Forbes and family of Portland, Henry Tanler of Estacada. Mr. Tanler left Monday for San Francisco.

Miss Cora Giese entertained for New Year dinner Mr. and Mrs. Percy Giese and Arthur Giese of Portland.

Pleasant View Avenue

The Ladies Aid will meet next Thursday afternoon at the home of Mrs. L. Wagner of Pleasant View avenue.

Mr. and Mrs. Ben Halstead had as their holiday guests Mr. and Mrs. George Schnader and son Jimmie of Seattle. Mr. and Mrs. Harpole were their guests at dinner on Christmas.

Mrs. L. G. Seifer has been spending the holidays with friends and relatives at Mt. Angel.

Mr. and Mrs. W. C. Hall spent Christmas with Mr. Hall's brother-in-law and sister, Mr. and Mrs. G. Warwick at Woodburn. On Monday Mr. and Mrs. Hall and children had Christmas dinner with Mr. and Mrs. K. Bjorndal, the latter a sister of Mrs. Hall. Mr. and Mrs. J. C. Dahm were also present at this dinner.

Mr. and Mrs. Walter Edelman en-

tertained at a Christmas dinner 18 friends and relatives.

Mrs. Walter Edelman, Mrs. Ben Halstead and Mrs. Walter C. Hall attended the meeting of the home economics club on Wednesday at the home of Mrs. Mullenhoff. The next meeting of the club will be held on January 11 at the home of Mrs. J. Hansen at Gilbert.

The acreage belonging to L. G. Seifer has been rented to Glenn Harman.

The Ladies Aid, which was to have met on Thursday afternoon of this week at the home of Mrs. Wagner, has been postponed until January 19, when it will be held at the same place.

STATED Communication Fairview Lodge No. 92, A. F. & A. M., Saturday evening, January 7, 1928, at 8 o'clock. Labor in M. M. Degree. Visiting brethren welcome. WM. H. STANLEY, Sec'y. RUSSELL C. WILSON, W. M.

POWELL VALLEY

The Saron Lutheran Ladies Aid will meet on Thursday afternoon, January 12, at the home of Mrs. Albert Palmblad. As this will be the first meeting of the New Year, it is hoped there will be a good attendance.

No services will be held at the Powell Valley Mission church during this week. The next service will be Sunday school at 9:45 Sunday morning. Next Sunday evening, if the weather permits, a service will be held which will combine some of the features of the New Year's eve program. The message on the subject of "Optimism," will be given at that time.

Stop Suffering

from rheumatism, neuritis, lumbago. Casey's Rheumatic Remedy drives the uric acid poison, reduces pain and swelling. Sold on money-back guarantee by the Taber Pharmacy.—Adv.

Outlook Want Ads. get results.

Winter term in music will begin January 2

FLORENCE M. HONEY

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Majestic Heater

Get clean, safe heat without risk or danger. Majestic heaters are built to give efficient economical heat when and where you want it. Special price for January \$5.50.

\$1.50 DOWN

and \$1 per month for 4 months

PORTLAND ELECTRIC POWER COMPANY

Phone 801 Powell St. Gresham

SALE BEGINS THURSDAY, JANUARY 5, AT 2 P. M., FOR THREE DAYS ONLY

Quitting Business

If you are looking for real Bargains it will pay you to attend this Sale

I am quitting business and leaving town so am going to sacrifice a \$15,000 Jewelry Stock, Regardless of Cost, at

Must vacate by January 10
All my stock of High-Grade
JEWELRY, DIAMONDS,
WATCHES, SILVERWARE

PUBLIC AUCTION

Cut Glass, Novelty Goods, Etc., will be slaughtered under the hammer to highest bidder, regardless of cost.



DIAMONDS

Diamonds of the finest blue-white Wesselton, all sizes, will be offered the public at auction to the highest bidder. Now is your chance to buy a diamond at your own price.



LADIES' WRIST WATCHES

Very latest patterns of rectangular and cushion shaped watches, white and green gold cases at your own price.

FREE! FREE!

The first 10 ladies entering this store THURSDAY, JANUARY 5, at 2 p. m. sharp will receive \$3.00 gifts.

3 - Beautiful Gifts - 3

Three beautiful gifts will be given away at every sale, 2 and 7:30 daily.

\$100 Diamond Ring

will be given away the last day of the sale, Saturday, Jan. 7

It will pay you to attend this sale and buy high-grade Jewelry, Watches, Diamonds, Silverware, Cut Glass, Clocks, Waldmer Chains, Cuff Links, Fountain Pen sets. Pearls valued at \$10 to \$75, amber and crystal beads and other merchandise too numerous to mention will be sacrificed at PUBLIC AUCTION.



MEN'S WATCHES

Elgin, Waltham, Hamilton, Illinois watches in 15 to 21 jewels, green and white gold cases. Will be slaughtered at auction.



SILVERWARE

26-piece chests of silver in Community, Holmes & Edwards, Wallace and Rogers will be offered the public at auction to the highest bidder.

SALE BEGINS THURSDAY, JANUARY 5, AT 2 P. M., FOR THREE DAYS ONLY

Guy D. Jones, Jeweler

MAIN STREET, GRESHAM, OREGON

This store will be closed until THURSDAY, January 5, in preparation for our AUCTION SALE.

Portland's Electrical Shopping Center

The Portland Electric Power Company's Home

The Electric Building

At Broadway and Alder Streets

Is in the very heart of the business district.

The Electric Store on the First Floor is Portland's Electrical Shopping Center.

Within one to three blocks of nearly all the principal stores, shops, hotels, banks, restaurants and theaters.

Street cars right to the door from every part of the city, for single fare and transfer.

Principal railway ticket offices, and inter-urban railways and stage terminals easily accessible.

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