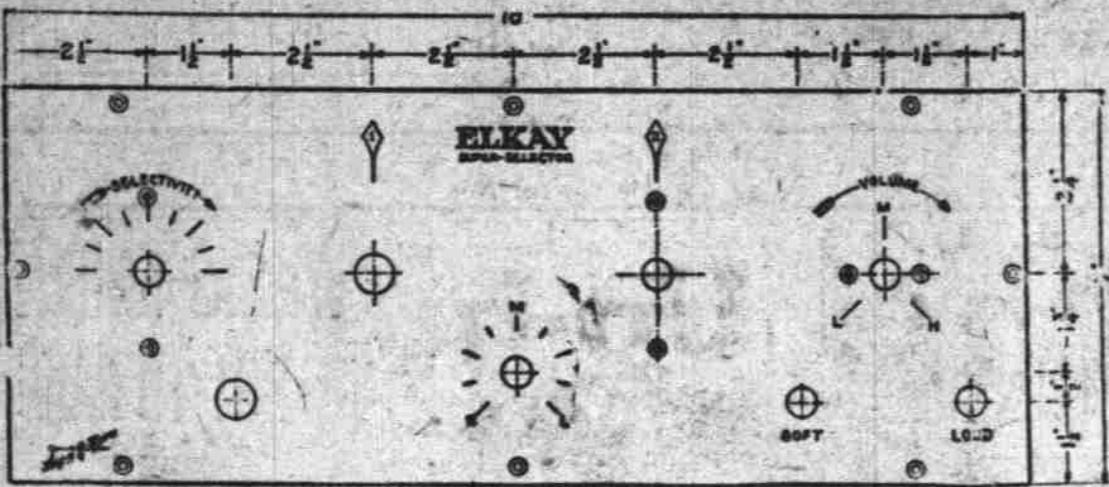


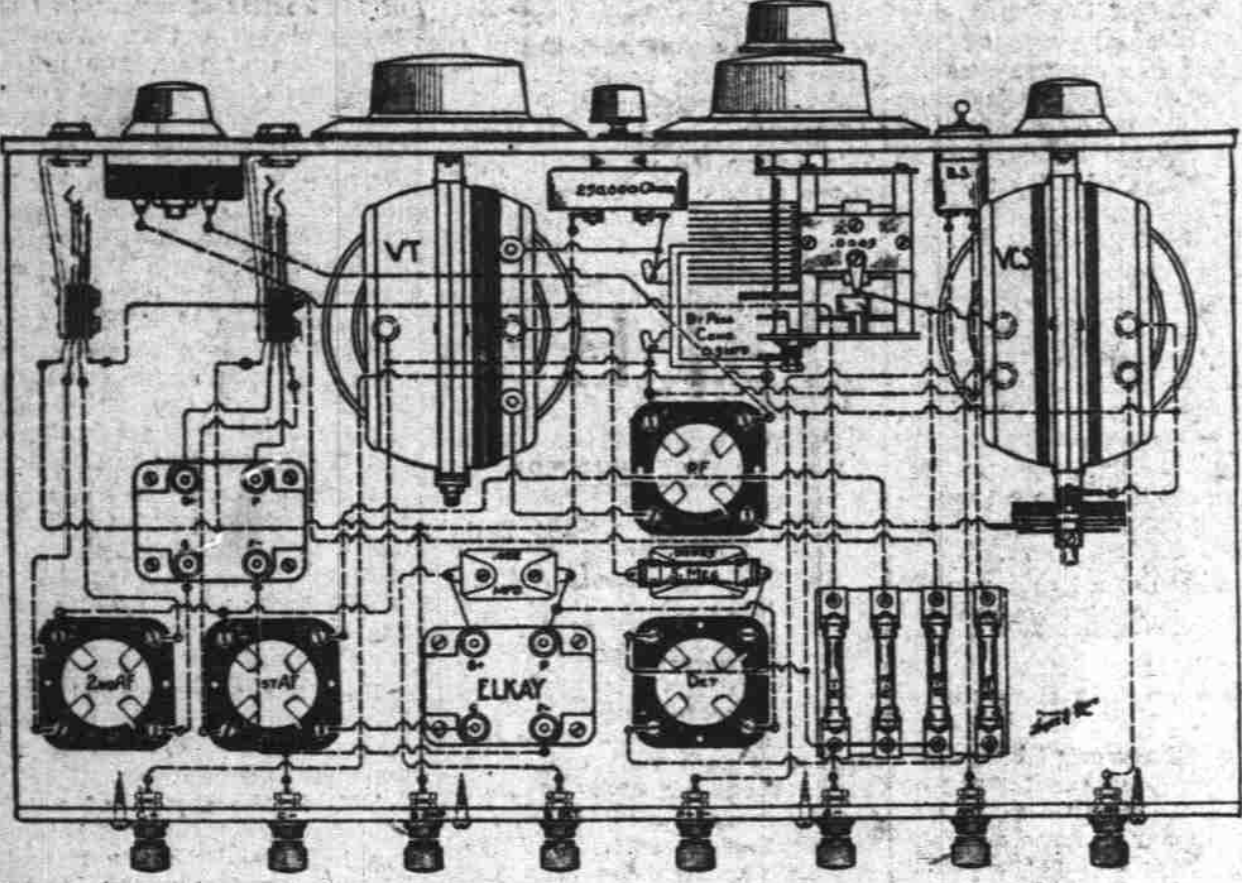
Efficient Four-Tube Circuit



PANEL LAYOUT

The layout of the front panel for this receiver is shown here. On the left are shown the mounting holes for the variable clarifying selector. This is marked "selectivity." On the right and

marked "volume" is mounted the rheostat that controls the radio frequency tube. In the center are shown the mounting holes marked "1" and "2", the one on the right is for the vario-transformer and the left is for the variable con-



ASSEMBLY AND WIRING

The assembly of the apparatus on the front panel should present no difficulties. The layout of the baseboard is clearly shown in figure above, which also gives the picture diagram of the wiring connections to the apparatus. No dimensions are needed for the base-

board layout as there is ample room. It is advisable to put terminal lugs on all the binding posts of the various pieces of apparatus in order to facilitate wiring connections. The baseboard layout shows small circles where holes are drilled close to various ter-

minals in order to run wiring underneath the wooden baseboard. This is the reason why the wiring is shown in some places in dotted lines in figure 3. A heavy black dot is shown where wires are connected together, while loops are shown where no connection is to be made.

SELECTING BATTERY BY CHART IS EASY

Proper Radio Battery Easily Picked by Utilizing New Factory Service

The lid is off. The season is on. The radio world starts its fourth year in making old earth a better place to live. And with passing of another milestone in the journey of radio there comes a new development—a development which promises to make for better radio reception—a development which renders to the 6,000,000 radio fans an invaluable service.

This service is being introduced by the U. S. Light & Heat corporation, of Niagara Falls, N. Y., manufacturers of USL radio and automobile batteries. The new service comes in the form of a chart which gives the correct type and size of battery to be used with every make and model of set as recommended by the set manufacturer.

The chart may be obtained from U. S. Light & Heat corporation, Niagara Falls, N. Y.

For years while radio experts were working on the development of tubes, hook-ups and tuning devices, USL engineers devoted their attention to the correct battery for best reception. The correct battery balanced with a set is as correct grade of oil used in automobiles.

Many leading radio set manufacturers have highly endorsed the efforts of USL to provide in the

interest of better radio reception the correct battery for every radio set.

Seek New Name and Use of "Blue Stain" Lumber

WASHINGTON. — The name "blue stain" as applied to certain discolorations on lumber is a ten million dollar hoodoo, says the National Lumber Manufacturers' association, which has begun a campaign to popularize use of such lumber and find a new name for the stain which will remove the curse from it.

"Blue stain" is regarded as a blemish in lumber grading, but association officials declare they have been assured by the forest service that it does not detract from the usefulness of the lumber for many purposes.

Chemical dips have been tried in an effort to remove the stain, but have been found impracticable. A committee reported that the present unpopularity of the stain was resulting in a loss of \$10,000,000 annually to lumber producers, and that the best means of improving the situation lay in the discovery of a less obnoxious name that would convert the blueness into an asset.

Oxford Colleges Crumble But Always Get New Face

OXFORD.—Oxford colleges are crumbling away, but they have never done anything else. Nearly all Oxford is built of a soft local stone which carves easily into rich and fanciful shapes but begins to flake and rot away after the first decade. After a century or so it is necessary to dress down the whole outer surface of the buildings and lay on an outer surfacing of new slabs.

Some of the larger colleges are never without builders' scaffolding. One Oxford firm has been occupied for 80 years in mending the stonework of a single college. The great expense of rebuilding led to the destruction of all college ivy. Before it was stripped from the walls this hardy climber had done an immense amount of damage, often destroying the stone to a depth of several inches below the surface. After the ivy is removed its work still remains and there is grave danger of falling stones until the wall is resurfaced.

NEW RADIO BOOK IS PREPARED FOR FANS

48 Page Booklet by M. B. Sleeper Gives All Details of Set Building

"Radio Sets that Jack and Dad Built—and How They Built Them" is the title of a 48 page booklet published by the Hard Rubber Manufacturing division of The Rubber Association of America, Inc.

Written by M. B. Sleeper, editor of "Radio Engineering" and a recognized set building expert, the booklet describes and illustrates five standard "book-ups." It tells how Jack inoculates his skeptical Dad with the "radio bug" by making a crystal set. Dad's interest aroused, he and Jack build first an Ambassador set, next an RX-1, then a Brown-Drake "Five" with a three-step resistance amplifier, and with their final 8-tube "Cotton" Superheterodyne win the prize in a radio set building contest.

Besides the wiring and schematic diagrams and step-by-step assembly instructions for each set, the booklet is profusely illustrated with photographs of the different sets and contains many helpful suggestions regarding antennas and grounds, installations, maintenance, and the care and use of dry cell and storage batteries and current tap devices.

The booklet can be purchased from local radio dealers for 25 cents a copy or direct from The Rubber Association of America, Inc., 250 West 57th Street, New York City.

ROME RUNS OUT OF NAMES FOR ITS MANY NEW STREETS

ROME.—Building is progressing so rapidly, particularly in certain suburban sections of the city, that the municipal authorities are unable to keep pace in furnishing names for the streets and numbers for the houses.

Buy a Want Ad—It Pays Big

MOTOR PRICES WILL BE CUT SOON, SAID

Reduction in War Taxes Will Benefit Public, Motor Dealers Declare

Lower delivered prices on all makes of automobiles and commercial vehicles are guaranteed by the car and truck manufacturers of the country as soon as the federal war excise taxes on motor products are repealed, according to a letter from the National automobile chamber of commerce to the farm organizations, made public today.

The automobile makers have been campaigning for the removal of the Federal war taxes on motor products, stating that they are a burden on the consumer.

The question of whether the consumer would benefit from such tax repeal or whether the saving would go into the pocket of the manufacturer was raised by L. J. Taber of the National Grange, the American Farm Bureau federation and other groups whom the automobile makers have been addressing.

A unanimous reply that the cost of vehicles will be lowered to the consumer to the full extent of the tax revision came from every plant in response to a query by H. H. Rice, chairman of the taxation committee of the National automobile chamber of commerce, who took a pool of the motor manufacturers of the country.

The automobile industry is presenting its views to the Ways and Means committee of congress at the hearings on October 24. If the repeal of these taxes is granted in the next revenue bill it will mean an average reduction of \$29 on every passenger car sold.

The letter to the farm organizations and a list of the manufacturers who have filed individual statements guaranteeing these price reductions are as follows:

Mr. L. J. Taber, Master, National Grange, Columbus, Ohio.

My Dear Mr. Taber:

You raised the question in your conversation with me some time ago as to how fully the public would benefit by the repeal of federal war excise taxes on automotive products.

You pointed out, as have the American Farm bureau federation and editors of farm papers, with whom I have talked, that the consumer often gets nothing from tax repeal. The removal of a tax frequently merely means that much more in the pocket of the manufacturer.

In order to be able to answer your question positively and specifically, our taxation committee wrote to the manufacturers of motor vehicles in this country and asked for a statement of their position in this matter. Unanimously the answer is this:

Every buyer of a motor vehicle will get an immediate price reduction to the full extent of the tax repeal.

This is assured by letters from 84 factories making 105 types of vehicles. A list of these manufacturers is attached and I shall be glad to send you their letters if you so desire.

I am taking the liberty of making this letter public, as I believe that it is important to every owner or prospective owner of an automobile.

Cordially yours,
—National Automobile Chamber of Commerce,
(Signed) H. H. Rice,
Chairman, Taxation Committee,
October 22, 1925.

The list of those subscribing to

Elementary School Lessons Radioed



Educators have endorsed the new feature of the Crosley WLW station which provides lessons for the elementary grades in school via the modern way of broadcasting. Prominent educators give the lessons at nine o'clock in the morning. A number of students are shown in the studio taking part in the lessons.

the price reduction statement is as follows:

- | Motor Cars | Jewett |
|----------------|------------------|
| Ajax | Jordan |
| Apperson | Junior Eight |
| Auburn | Kissel |
| Brewster | Lexington |
| Buick | Lincoln |
| Cadillac | Locomobile |
| Case | Marmon |
| Chandler | McFarlan |
| Chevrolet | Moon |
| Chrysler | Nash |
| Cleveland | Oakland |
| Cunningham | Oldsmobile |
| Davis | Overland |
| Diana | Packard |
| Dodge Brothers | Paige |
| Dorris | Peerless |
| Du Pont | Pierce-Arrow |
| Durant | Reo |
| Elcar | Rickenbacker |
| Essex | Rover |
| Flint | Star |
| Ford | Stearns |
| Franklin | Studebaker |
| Gardner | Stutz |
| Gray | Velle |
| Hudson | Wills St. Claire |
| Hupmobile | Willys-Knight |

Commercial Vehicles, Including Cabs and Buses

- | | |
|----------------|-------------------------|
| Acme | Larrabee-Deyo |
| Akbar | Mack |
| Antocar | Mason |
| Cadillac | Morland |
| Checker | Overland |
| Chevrolet | Pierce-Arrow |
| Clydesdale | Premier |
| Commerce | Rainier |
| Corbit | Reo |
| Cunningham | Rover |
| Dunby | Republic |
| Diamond T | Sanford |
| Dodge Brothers | Schaect |
| Dorris | Selden |
| Duplex | Service |
| Federal | Standard |
| Ford | Sterling |
| Garford | Stewart |
| Graham Brother | Studebaker |
| Gray | Walter |
| H. C. S. | International Ward |
| International | Kelly-Springfield White |
| Kissel | Yellow |
| Kiebler | |

N. Y. HILL CLIMB WON IN FAST TIME

A Jewett special, driven by N. S. Millichamp of Utica, won the tree-for-all event at the Little Falls, N. Y., hill climb September 26. The time was the fastest of the meet, which comprised three contests for different classes.

The course was the Monroe street hill, six-tenths of a mile long, with several sharp turns that make the course dangerous. The Jewett's time was 46 seconds. The second best time of the day was 52 2-5 seconds.

Classified Ads Bring Results

NEW GARDNER MODEL ANNOUNCED BY FIRM

Six Cylinder, 4 Door Brougham Is to Be Shown in Salem Soon

A smart new 4-door brougham on the famous Gardner six chassis has just been announced by the Gardner Motor Company, Inc., and arrangements for its initial showing locally have been completed by Burdett-Albee Motor company, local Gardner distributors.

The statement of factory officials that this brougham is one of the finest values ever offered by Gardner is borne out by the car itself. It is generously roomy and substantially built—not of the coach-type it is priced about the same as the average coach.

Considering the fact that this new 4-door brougham is mounted on exactly the same chassis, powered by the same motor, and includes the same fine body construction as other Gardner six enclosed models, the price represents an actual saving to the buyer.

In appearance, this new brougham is characteristically Gardner—with long, low racy lines given added charm by a colorful finish of two-tone lacquer, large nickel-trimmed lamps, cowl lamps, nickel-radiator and genuine full-size balloons tires.

All windows are of real plate glass and are equipped with satin window curtains. All instruments including the gasoline gauge and heat indicator, are grouped on the dash under a single glass panel and indirectly lighted. Doors are unusually solid and substantial, and body noises and squeaks are permanently silenced by the use of leather insulators. There are no unsightly open joints. A one-piece ventilating windshield is used, and there is an additional ventilator in the cowl.

Gardner enclosed 4-wheel brakes are included as standard equipment. Additional equipment includes rear vision mirror, automatic stop light, automatic windshield wiper, nickel-radiator, cowl lamps, trunk rack, transmission lock and dome light.

of that has taken permanent hold on American women is to change the word housekeeping to homemaking," the speaker said.

"God gave women a permanent characteristic of the womanly make-up, the ruling desire to be necessary to the happiness of those who make up her family, her husband and her children. It has never been changed, never will be, and is not found in men, because God did not fashion them so."

Bobbed Hair Began With French Reign of Terror

HOLLYWOOD, Calif. — The fashion of bobbed hair was in vogue during the French revolution, at least by women who faced decapitation by the guillotine. Testimony to this was disclosed in a grim little satire, written by a French woman at the time of the Commune, which was found in a mass of French books and manuscripts obtained by a large motion picture studio here for research work.

The writer commented on the prevalence of shorn tresses in this wise:

"It is the custom before women are executed to cut off their hair, that it may not interfere with the executioner's blade. So all Royalist women go to the guillotine with their hair off at the neck. Incidentally, the head soon follows this example.

"Grissettes, as a bit of humor, began cutting their hair the same way—aping the aristocrats in their last fashion. They are finding that it is comfortable and the custom is growing. No one knows where it will stop."

Alleged Neglect of Home by Women Said "Bosh"

ATLANTIC CITY, N. J.—Charges against American women of "neglecting home and children" were characterized as "nothing but a lot of bosh" by Ada Bessie Swann, home service expert of the American Gas association, in an address today.

"The only new fashion I know

The "Pop" Radio Set



This picture shows the size of the small "Pop" radio set held in the hands of Powell Crosley, Jr.

Bicycle and Velocipede Repairing

Rubber Wheels put on Baby Carriages

All work done at Reasonable Prices

A complete line of New Bicycles

LLOYD E. RAMSDEN
387 Court Street

Classified Ads Bring Results

4-Door Sedan \$995
f. o. b. Cleveland

The price says "Buy It!"

THE new Cleveland Six Four-Door Sedan tells its own convincing story to everybody who sees it—and it's a story that appeals at once to the buyer's keenest judgment.

Every feature of the car proclaims quality. Smart coachwork expresses finer ideals of beauty. Wide seats and rich upholstery bespeak real comfort. The motor smoothly and brilliantly asserts its own power. And a new low price (reduced \$200) emphatically talks value!

Here is a closed car investment away above average—a full-size, 4-door Sedan with three windows on each side, all of which open—

with many other important advantages—easy to buy, enjoyable to own, inexpensive to operate.

In equally big demand is the new big Special Four-Door Sedan, Model 43, also reduced \$200, now \$1295. And for smaller families and business men, the new Model 31 Coupe, now \$975, and the new big Model 43 Special Coupe, now \$1175—all prices f. o. b. Cleveland.

A good two-hour sample of Cleveland Six performance (in any model you choose) will reveal any number of laudable and likable things about Cleveland Six efficiency. Drive it two hours and you'll want to drive it home. Try it!

"One-Shot" Lubrication System
All Cleveland Sixes have the celebrated "One-Shot" Lubrication System. With one press of your heel on a plunger, the "One-Shot" System lubricates the car in less than two seconds—flushing every bearing and bushing in the entire chassis!
(The "One-Shot" Lubrication System is licensed under Bowen Products Corp. patents)

CLEVELAND SIX

MacDonald Auto Company
Corner Cottage and Ferry
CLEVELAND AUTOMOBILE COMPANY CLEVELAND

A GRAHAM BROTHERS Truck Chassis for \$995!

F. O. B. Detroit

This exceptional new price of the r-ton chassis is the result of economies of mass production—economies passed directly on to the buyer.

Graham Brothers now produce in larger quantities than any other exclusive manufacturer of motor trucks.

BONESTEELE MOTOR COMPANY
474 SOUTH COMMERCIAL

GRAHAM BROTHERS TRUCKS

SOLD BY DODGE BROTHERS DEALERS EVERYWHERE

5⁰⁰ Down Buys A **Bicycle**

Come in and pick out one of our high grade Wheels

Pay Only \$5.00 Cash, Balance \$1.50 a Week

HARRY W. SCOTT "The Cycle Man"

Midnight Bow-Wows

This is Kay Nyne and Big Barker, who entertain on the special program every Thursday midnight from Crosley WLW, Cincinnati. This program has proved to be one of radio's howling successes. Rin Tin Tin Ken is another entertainer of this unique nocturnal broadcasting feature.