

RADIO IN THE HOME

By HENRY M. NEELY



The corkcrew lines in the illustration show two electrical symbols which indicate that two coils of wire are placed so as to have an effect upon each other. In other words, they indicate a coupler and the pictures show different types of couplers, all of which are indicated in diagrams by these symbols.

Getting Used to Radio Symbols
Everybody understood all of the explanations given in most of the books and magazines, it would save a great deal of trouble in getting the pictures which we use when we give wiring illustrations for appliances. The symbols are not at all difficult to understand, and it is very important to be able to translate them. It may be worth our while from time to time to use and learn just what they mean.

We have already explained that a "coupler" consists of two coils of wire placed in such a position with relation to each other that a current of electricity flowing in one will create or, to use the technical term, "induce" a current in the other, even though the ends of the two coils is not physically connected. There are a great many different types of couplers. The old-fashioned "loose coupler" which is a coil of wire wound around one cylinder and another coil of wire wound around a smaller cylinder which slides in and out of the first one. The sliding in and out "varies the coupling"—in other words, it changes the influence that the electricity in the first coil has in inducing a current in

the old days the symbol without the arrow in it would have meant that the two coils were fixed in their positions with relation to each other and that there was no means of varying their coupling. If we wanted to indicate two coils whose coupling could be varied, we put the arrow cutting through both coils. Whenever we saw this arrow on any symbol we knew that it meant "variable." Later on we will take up other symbols which are used in these diagrams, but do not fear from this that we are going to change over to this system in giving our own hook-ups, for we believe that our present plan of using pictures saves the beginner a lot of trouble and tends to avoid mistakes.

MOTHERS GET OUTING
Fifty With Babies Guests of Children's Country Week Association. Some fifty mothers and babies left this morning for Cape May, to remain there until next week as guests of the Children's Country Week Association. Some lugged bundles or cane suitcases

"Radio-Twins"
Why kill your time with dead moments? In every type of radio receiver both in the "rotor" and "coupler" type. At most dealers, including QUAKER LIGHT SUPPLY CO. Distributors: FOOTBATH METEORICAL CO., Mfrs. Only

Armstrong's new super-regenerative receiver
By Kenneth Harkness
How to Construct and Operate It
Photos and Diagrams of Two Sets Actually Constructed by the Author
Booklet Ready for Delivery. Price 50c
Liberal Discounts to Dealers in Quantities
Published by the RADIO GUILD, INC.
Two Fifty-six West Thirty-fourth St., New York
Send for Catalogue of Radio and Audio Frequency Receivers

Exide BATTERIES
When reliable power is combined with exceptionally long life as in the Exide, then your battery is not merely a comfort but a genuine economy.

Gray Car
New and Used
Upright Pianos, \$45 up
Player-Pianos, \$150 up
Baby Grands, \$250 up
SPECIAL TERMS
836 TO 846 N. 6TH ST.

MAGUIRE'S IRISH CORN PLASTER
THE PLACE FOR THE SMALLEST SHORN OF THE RACE AND COMFORT WITH WHICH

THE ELECTRIC STORAGE BATTERY CO.
EXIDE SERVICE STATION
Direct Theory Branch
671 N. Broad St.
Phone Poplar 3333

VICTROLA
Style No. 200
No Down Payment
Until August 5th
Then as Little as
\$1.50 Weekly!
Purchase your first supply of Records from us—as you will be glad to do anyway—that's all we ask!

B. B. TODD
1306 ARCH
1623 CHESTNUT
Pianos, Players, Victrolas, Records
SOHMER PIANOS

CLOVER TRIUMPH
GAS WATER HEATER
Look for GREEN CLOVER LEAF on door
CLOVER TRIUMPH INSURES SERVICE AND ECONOMY
Buy your Heater from the practical standpoint of service quality and low operating cost.
CLOVER TRIUMPH was made to fulfill the drastic requirements of the U. S. G. I. for perfect combustion, endurance and economy.
It outwears cheaper heaters and burns less gas because it is scientifically made. Your gas company or dealer will explain its advantages.
Manufactured by PHILADELPHIA STOVE CO.

Economy Basement Specials for Thursday
Wednesday, July 5, 1922. Store Opens at 9 A. M. Closes at 5 P. M.

SNELLENBURG'S
ENTIRE BLOCK—MARKET 11TH TO 12TH STREETS

Three Exceptional Upholstery Values!
49c Scrim Sash Curtains at 24c Pair
Well made of good quality striped scrim. Ready to hang.
25c Yard-Wide Burlap, Yard... 14c
Very closely woven in green, red and brown.
\$1.49 Bar Harbor Chair Cushions, Each 65c
Well filled and covered with fine quality cretonne. Excellent assortment of colors.

Five Extra Special Offerings in Extra-Size Undermuslins
Women's Extra-Size Nightgowns at... 69c
Tailored models of lingerie cloth.
Women's Extra-Size Bloomers at... 49c
Plainly tailored of pink batiste, with elastic at waist and knee.
Women's Extra-Size Drawers at... 59c
Muslin, trimmed with ruffle of embroidery.
Women's Extra-Size Skirts at... 89c
Muslin finished with ruffle of embroidery and underlay.
Women's Extra-Size Nightgowns at... 98c
Batiste, trimmed with embroidery. Have set-in sleeves. Also Windsor crepe bloomers.

9x12-Ft. "Trade Mark" Grass Rugs at \$4.50 each
Six pretty patterns—mostly green. We limit the number to each customer. Mail and phone orders filled. None to dealers.

Genuine Cork Linoleum Clearance
Hundreds of yards of best quality CORK LINO-LEUMS in full rolls and remnants—sharply reduced for a quick clearance—seconds. Square yd., at 39c, 49c, 59c

An Unusual Offer!
Boys' \$6.95 Two-Pants Suits at \$4.65
Smart models of gray herringbone cheviot, with full-lined knickers.
Boys' \$12.75 2-Pants Suits... \$8.75
All-wool mixed chevots and cassimeres, with full-lined knickers.
Boys' \$14.95 2-Pants Suits... \$9.95
All-wool blue serge, cheviot and cassimeres, with full-lined knickers. Sizes 7 to 16 years.
Boys' Tub Knickers... 81c
Tan khaki and black and white cotton crash. Sizes 7 to 18 years.
Boys' Blue Denim 48c Overalls...
Apron front and shoulder straps. Sizes 6 to 15 years.

Women's Smart \$3.00 Sweaters at \$1.95
A new lot of pure worsted sweaters. Short-sleeve styles with contrasting stripes and long-sleeve models in plain colors. One-Third Less!
Women's Sateen Bathing Suits 95c
Becoming model, with bias stripe trimming.

Sale of Men's \$5.00 to \$7.50 Silk Shirts at \$2.95 ea.
"Emery" seconds and other odds and ends of fine silk shirts from prominent makers—slightly mussed, at fractions of real worth.
Qualities include English broadcloths, Jap Mommie Shantung, some crepes de chine and tub silks. Neck-band and collar-attached styles. Sizes 14 to 17.
Last lot of "Emery" seconds did not last the day. Come early!

Special Lot of Children's Play Suits Advantageously Marked at 75c ea.
Sturdily made of serviceable quality denim in neat stripe patterns. Sizes 2 to 6 years. Style pictured.

Children's Overalls... 45c
Blue denim. Sizes 2 to 6 years.

Babies' Gowns, Wrappers and Gertrudes, Special at... 49c
Made of domest flannel.

Babies' Pads, 22c and 50c
Babies' Hand-Crochet Sacques, 59c
Prettily trimmed in pink or blue.

Babies' Pillow Slips... 29c
Lawn in several styles.

Babies' Long and Short Dresses at 59c
Made of excellent quality nainsook, with daintily embroidered yokes. Sizes infants', 1 and 2 years.

Extraordinary Sale of 300 \$12.50 to \$15.00 Silk Covered Comfortables at \$7.00 each
Flowered silk tops, plain color silk borders and Florentine silk backs in pretty shades. California lamb's-wool filling. All full size.
See Our Window Display of These Comfortables
SNELLENBURG'S Economy Basement

Remarkable New Purchase of 500 Girls' \$2.50 Camping Suits To Sell at \$1.49 ea.
Bloomers and blouse, full cut of good quality khaki. Sizes 7 to 14 years.
Just the thing for camping, hiking and outings.
Girls' \$1.50 Suspender Dresses... 59c
Very becoming models of gingham, ramic and linene. Sizes 6 to 14 years.
Girls' \$1.00 Middies... 49c
Khaki and white linene. Sizes 7 to 18 years.
Girls' Khaki Bloomers... 75c
Made good and full. Sizes 7 to 14 years.

This \$18 Fibre Reed Rocker \$8.49
For Porch, Bedroom or Living Room
Comfortable serviceable rockers, with upholstered high back and loose cushion spring seats that are covered with beautiful cretonnes. In ivory or brown finish.
SNELLENBURG'S Economy Basement

Candy Specials
Kiddie Package, 20c
Includes six pure sugar candy pops—lemon, orange, lime, chocolate, butterscotch and raspberry flavors.
80c Chocolate Almonds, 39c lb.
60c Vanilla Marshmallows, 29c
Special Combination
1 lb. Foil-Wrapped Chocolate Dainties } 68c
1 lb. Salted Virginia Peanuts }
OUR NEW SODA FOUNTAIN
Offers quick service and cool, dainty refreshments.
Special Today
Chocolate Marshmallow Sundae... 15c
Pure ice cream, pure chocolate, pure snow-white marshmallow and heavy, rich whipped cream.
SNELLENBURG'S Economy Basement

A Brand-New Shipment of Matting Suit Cases Very Special at \$2.89
Good-looking, light-weight, well-made suit cases. Fitted with two strong leather straps running all around. Neatly lined and fitted with strong cowhide, re-enforced corners. 24-inch size. Mail and Phone Orders Filled.
SNELLENBURG'S Economy Basement

News of Advantage to Every Young Man in Philadelphia

Look for the **YELLOW Diamond** and talk to the dealer who shows it

April 4, 1922

My dear Mr. Gillette
Your letter of March 30th received. I have used the new razor constantly ever since you sent it to me and it has given me the greatest satisfaction. It is infinitely better than the old one. The question of adjustment was always a troublesome one to me. Now I keep it screwed down tight and have not the slightest difficulty. I am well pleased with it and heartily congratulate you upon this invention. I hope I may have the pleasure of seeing you soon, to renew our old acquaintance.
With kindest regards, I am
Sincerely yours,
Charles M. Schwab

Mr. King C. Gillette,
47 West First Street,
Boston, Mass.

YOU will live to see America produce many a startling invention. None will mean more to you in your daily life as a man and a citizen than the New Improved Gillette.
Look over the clean shaven young men of affairs. Typical of the kind of men the world is selecting to run its business.
This type of man hails the New Improved Gillette as the greatest shaving advance of all times.
For instance—read this letter from Charles M. Schwab.
Your dealer in the Yellow Diamond store will show you the New Improved Gillette. Compare it with the best old-type razor you know.
At every point you will find it a 75% finer instrument for shaving. Some say even more.
Be sure to have your dealer show you the



\$5.00 and up

The New Improved **Gillette** SAFETY RAZOR
Patented January 13th 1910

Falcrum Shoulder Overhanging Cap Channelled Guard
Micrometric Precision Automatic Adjustment