1 22½-volt battery (Eveready No. 764 or No. 765).
1 dry celf (Eveready No. 7111).
It will be noted that all the battery required is a single 1½-volt dry-cell and one small size 22½-volt battery. The 1½-volt dry-cell will give considerably more than one hundred hours of actual use, while the B battery should give service for two hours a day for a year. The small battery requirements make this a very portable set.

Peanut Tubs Is Urged.

Peanut Tubs Is Urged.

especially emphasize the use of the peanut tube in order to get good results. Do not use some makeshift

socket but the regular R40 socket, which is made for the tube. I would also recommend a good fixed grid leak and grid condenser as called for. The grid leak and grid con-

denser are the last things that one should economize on, because much of the performance of the set de-

pends on these two pieces of appar-atus and even the very best grid leak

and grid condenser are not costly The baseboard should be of dry

wood. The panel should be of hard

rubber or of any of the various types of panel material that are on the

market; size 6x12 inches should do very well. A good dry wood panel will be found very satisfactory.

Either bare bus wire or rubber-co

ered wire may be used for wiring the

It will be noted that a shield is shown between the panel and the tuning condenser. This shield con-

sists of a metal plate a few inches

square, which may be ordinary tin or

other thin sheet metal. The feed-

back condenser may be shielded also

if desired. It will be noted that the

ground wire is soldered to this

How to Tune the Set.

After properly connecting the batteries, aerial and ground wire, turn on your filament current by means

of the vernier rheostat. Begin with both of your condensers at zero. It should be mentioned that your dials

should be mentioned that your dials should be so adjusted that when they

read zero the plates of your condensers are all out, and when your dial reads 100 the rotary plates are completely meshed within the fixed plates. Having both of your condensers are at a row turn the fixed plates.

noise by means of the feed-back con

As your tuning condenser is moved

In the above apparatus I would

EASY TO MAKE, EFFICIENT

Italian Deputy

Associated Press Despatch.

Turin, Italy, Nov. 14.—A duel was fought today at Vercelli between the Fascisti deputy, Belloni, and the Liberal deputy, Rossini, in which Rossini was wounded

in which Rossini was wounded six times. Belloni was untouched. The combatants remained un-reconciled after the meeting at

arms, which was due to alleged insulting epithets applied by the Liberal deputy to Deputy Belloni

two more holes similar to those at the beginning of the coil. List of Parts.

1 coil having 110 turns of No. 28

tapped at 75 turns. 2 No. R500 or No. R62-B condens-

1 No. R215-A peanut tube. 1 No. R40 socket for peanut tube. 1 No. R53-C grid condenser, .00015

1 No. R42-C grid leak (2 megohms)

1 No. R-CH-2 rheostat.
7 No. R26 binding posts.
1 No. R6 head set.

ers (23 plate).

THE NEW FLIVVER

gauge double cotton-covered magnet very wire, wound onto 3-inch tube and will

The apparatus required is as

Shot In Duel

NEW FLIVVER RADIO SET

Long Signals and Long Distance Possible With Simple

Hookup.

USE PEANUT TUBE

W. B. CARTMEL, B.S., M.A., M.E.I.C.

Probably the simplest and most efficient set for a beginner to make up is the new Flivver. This set gives loud signals and long distance reception. The apparatus required is simple and the wiring of the set is easily done. There is only one coil required and it has no movable parts

required and it has no movable parts. The coil is made of winding 110 turns of No. 28 gauge double cotton-covered

ire on a 3-inch tube with a tap at turns. Bakelite tubing may be

used, but just as good results will be given with ordinary cardboard tubing, provided it is dry.

Some prefer to shellac the tube inside and out before winding it, but be sure the shellac is very dry before winding on the wire. Make two pinholes half an inch apart, both of them

about half an inch from one end of the tube. Push your wire down through one of these holes and cut

through the other and then go ahead and wind your coil. When you have wound 75 turns, take off a tap and then continue winding 35 more until the complete 110 turns have been wound on, when the end of the wirging may be again secured by weaving

ing may be again secured by weaving the end of the wire in and out of

ONLY FIVE WEEKS TILL CHRISTMAS

Give Santa Claus Your Order

Red Bird Bicycle

time you desire between now and Christmas Eve.

This is the season when dear old dad, the regular fellow, can give the kiddies the long-wished-for RED BIRD-the Bicycle that makes hearts happy and develops buoyant health and vigor.

We give the kind of terms you like-so don't hesitate, but come in right away and talk things over.

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Deliveries 8, 9, 11, 2 and 4.

G. A. WENIGE, the Man Who Made Walking Expensive.

Sweet Potatoes;

Santa Suggests for Christmas The New Gerhard Heintzman Combination Radio and

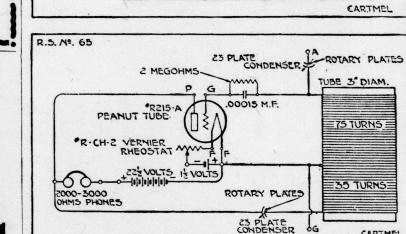
It is beautifully designed, console model, Queen Anne style, with an automatic phonograph start and stop. The Radiola IIIA is a very high-grade instrument and is well recommended by leading authorities. It may be obtained in either walnut or mahogany and at a very attractive price. Easy terms can be arranged.

Phonograph

Have One In Your Home This Christmas.

Gerhard Heintzman

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One Day Specials In Warm Wearables

Distinct savings on every one of these items, which are positively for Monday only—No phone orders.

MEN'S HEAVY WOOL SWEATER COATS with collar and pockets; regular \$2.25; all sizes, **\$1.48**

Broken lot of MEN'S HEAVY FLEECE-LINED SHIRTS AND DRAWERS; Reg. 89c and 98c,

BOYS' V-NECK WOOL PULLOVER SWEATERS in Royal Blue with contrast trim; sizes 24 to \$1.39

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BOYS' ALL-WOOL MACKINAWS Boys' All Wool Mackinaw Coats, Norfolk style, \$4.98 in splendid colors and patterns; sizes 26 to 32

MEN'S MEDIUM-WEIGHT RIBBED COMBINATIONS, sizes 36, 40 and 42 \$1.48 only; Reg. \$2.50..

Men's Heavy Blue and White Stripe Overalls with bib and braces, all sizes; worth \$2 \$1.48

MEN'S \$25 GRAY MELTON OVERCOATS.

Fine All Wool Dark Gray Melton Overcoats in singlebreasted, Chesterfield or standard models; \$19.75 sizes 35 to 40 only; regular \$25, for

R. J. Young & Co. Ltd.

densers set at zero turn the feed-back condenser until a slight hissing noise is heard in the phones. Now turn on your tuning condenser and you will notice that the hissing noise disappears, and then turn on your feed-back condenser a little more un-til you hear the hissing noise again Checkered Career of Reymont As a matter of fact it is desirable to turn the two condensers together. Begin by producing the slight hissing Brings Tim to Peak of Literature Fame. denser and then as you turn on your tuning condenser follow up with the feed-back condenser turning the Associated Press Despatch.

Warsaw, Nov. 14.-Wladislaw Raytwo condensers together so as to keep the set just at the hissing point. mont, the Polish writer, who has been awarded the 1924 Nobel prize in you will note that at certain points you will hear different stations come literature, in with a zip. If there is a whistle as you pass the station your feedback is turned on too much, and it should be turned back a little. It is very important to take great care that you do not have enough feedback so that you pass stations with a whistle. Any whistle that you produce in your set will make a whistle in your neighbor's sets. Those who live in large cities should be very careful about this, as they may cause considerable annoyance to their neighbors, and, furthermore, the set to other occupations, at one time bewill give the loudest signals and the in with a zip. If there is a whistle honor while here recovering from a will give the loudest signals and the longest distance reception if it is kept just below the whistling point. How to Do Fine Tuning With Set.

ing a railroad worker and another a farm hand. He once went to the famous Polish cloister at Czestochowa, intending to become a monk. His first stories were published in magazine form in 1893.

His most famous work, the novel "Peasants," issued in four volumes—"Autumn," "Winter," "Spring" and "Summer," has been translated into all the European languages.

M. Reymont is wealthy and has an estate near Posen.

OPENS CONFERENCE

Canadian Press Despatch. Montreal, Nov. 14.—The annual meeting of the Canadian national committee for mental hygiene began here this morning with a meeting of your tube oscillate, because an oscillating condition spoils the music both for yourself and for your neighbors. the executive in the medical building of McGill university. A report was prepared to submit to the board of

PLAN AGRICULTURAL COURSE.
Special to The Advertiser.
Brussels, Nov. 14.—The O. A. C. Guelph is planning a short course in agriculture to be held in Brussels during the months of December, Janmosting, which begins at 4:30 p.m.

Having found your station in the manner outlined above, turn your tuning-knob back and forth past the tuning-knob back and forth past the station and if you notice any sign of a whistle turn back your rheostat until the whistle disappears. Then turn on a little more current by means of the vernier adjustment, and as you do you will notice the signal get louder. If you turn it on too much the tube will spill over into an oscillating condition, and you will bring in whistles again and the signals will not be so loud. In that case turn back the vernier rheostat and then turn it on again gradually until you are set to the very loudest point. In this way you will get the most dietant reception. Do not let your tube oscillate, because an oscil-

> gates from the various provinces was held in a local hotel, after which the board met to consider recommendations for submission to the annual

NOBEL WINNER AROSE FROM PEASANT RANKS

MENTAL HYGIENE BODY

directors this afternoon.

A luncheon for the board and dele-

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Essex Coach, 1923. Hudson Coach, 1923. Hudson Coach, 1922. Hudson Coupe, 1920. Paige Sedan, 1922. McLaughlin Sedan, 1923. New Olds. 6 Sedan, \$1,600

price on the one you select.

Overland Coupe, 1922. Essex Tour., 4 cyl., 1923. Essex Touring, 1922. Dodge Touring, 1922. McLaughlin, 1920. International 2-ton truck. Olds. truck.

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In the big, 10-pound aluminum ROTAREX cylinder the clothes glide without friction over a glassy surface that is free from perforations. The cleansing suds are suctioned into the self-reversing, revolving cylinder through numerous holes in its two ends or heads. It is the only Washer made that does not wash back into the clothes the same dirt that it washed out of them. This cylinder type Washer is used by all laundries and institutions the world over.

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