

### A Sensitive Single Tube Receiver

By R. M. SHERRILL

(Radio Engineer)

#### Part 2.

struction and mounting of the ary. tuning coils.

an hour or so in a warm oven. When are arranged in their final position provement to the site.

half of secondary-

The Secondary Coil

ly vound on a cardboard core, 4

inch 3 in diameter. A thin coat of

40 turns of No. 22 DCC wire, is even- tubing.

that when the tickler winding is reception.

ever, a good solder joint is just as

Traverston

(Our own correspondent.)

acquaintances with their old neigh-

Miss Mayme Haley of Detroit is

Some of those who took in the

Hanover Fair were Mr. and Mrs.

G. E. Peart and sons, Miss Margaret

Greenwood and Miss Myrtle Mc-

Miss Elizabeth Hughes of Hanover

Miss Amelia Blair left Monday Fair.

suburbs is spending a few days the

holidaying at the parental home.

bors the first of the week.

most cases.

Mrs. M. Smith.

Clocklin.

Fallaise home.

scenery of Wilder's Lake.

furns spaced

and outside surfaces.

to hold the wire in place.

Tickler Sturns each side &diam

Secondary-40 turns

1/4 shaft/

Cardboard washers

The secondary coil, consisting of striking the sides of the secondary

sheller or collection is next applied | Connections to the tickler should

of 6 turns of about No. 18 DCC wire, secondary. Good fiexible leads for

should be spaced at least 1/8 inch them together and solder them.

RADIO QUESTIONS AND ANSWERS

Mr. Sherrill will be glad to help you solve your radio

problems. Write him, care of The Durham Chronicle.

wire a set without the use of sol- | Ans.—Try rearranging your aerial

good as a solid wire and it enables work well at home but on a friend's

you to make your leads shorter in aerial-using the same batteries-

K. P. D. asks: "My neighbor's set, do to make it work right at home?"

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guest of her friend, Miss Margaret spent Sunday at Mr. G. E. Peart's.

Mr. Charles Noble of the Queen J. Davis under the supervision of

City spent over the week-end at the Miss Ruth Pirt, R. N. is progressing

family visited Egremont friends We congratulate Mr. James Elli-

early in the week and viewed the son on winning three first prizes

Mrs. John O. Greenwood and attendance of fourteen.

ning almost parallel. What should this should remedy the trouble.

A. T. Y. asks: "Is it possible to I do to remedy this?"

Ans.-With most sets, ves. How- that of your neighbor.

Sealing wax

Shaft for tickler-14"

The results which may be obtain- | turned parallel with the secondary ed from the single tube receiver winding—the lower turns of the described last week, depend to quite tickler will be on the same level an extent, upon the careful con- with the upper turns of the second-

A good way of doing this is to a good head of water now. The dam The windings are made on thin first make the tickler and its mountcardboard tubes. These tubes, how- ing, allowing the core of the secever, should be carefully prepared ondary to furnish the bearings for before they are wound. If the the shaft. Then start the secondary tubing is not thoroughly dry in the winding at the proper distance first place, it should be baked for from the top. When the windings this week and will be a marked im- men."

Secondary core

/Tickler core

or sealing wax. Homemade washers

the shaft to keep the rotor from

Use Flexible Leads

so that it will not be parrallel with

A. R. T. asks: "My set does not

it functions perfectly. What can I

ton was a recent visitor in the

Evelena of Detroit motored over on

Saturday to the Cook home, Miss

Jennie of Toronto has also been at

Raymond Wilson, and Mr. Fred Cook

Mr. and Mrs. Henry Beaton, Master

The Class at the home of Mrs. M.

very favorably with an average

on his fine team at the Hanover

the parental home the past week.

neighborhood.

Mr. H. Fleming is visiting with his sister, Mrs. F. G. Karstedt of the

#### South Bentinck

Priceville

(Our own correspondent.)

In driving through the country

these days one is forced to realize

Mr. Colin McLean is out with the

threshing outfit again, and the

sound of whistles is evident in dif-

ferent directions from here.

open and come to a good fair.

on Kinross street.

time since it was built.

W. G. Watson is raising a fine

G. A. Watson & Sons have the

mill dam repaired and are getting

is in better shape now than at any

The Memorial Committee has

garage today on the home property

that winter is not far distant

are evident everywhere.

September.

(Our own correspondent.) Miss Rhena Charlton left last week for Toronto where she will send a few months.

Miss Agnes McLean is spending a few holidays with friends in Han-

Mr. John Turnbull has returned to Guelph where he is attending High school. Mr. and Mrs. James Kerr of Var-

ney, accompanied by Mr. and Mrs. W. Kerr of Grand Rapids, visited dryf a very, thin coat of shellac, behind a panel the tickler coil may recently with Mr. and Mrs. William should be applied to both the inside be fastened to the shaft with shellac Derby, Jr. Miss Daisy Mather went to Strat-

of heavy cardboard may be used on ford on Monday to enter the Normal school there. Mr. and Mrs. James McRonald,

Wall and Margaret visited with friends in Mount Forest last week. Mr. and Mrs. John Milligan spent an evening recently with the former's sister, Mrs. George Henderson be made with flexible leads which of Hampden. The primary winding, consisting may hang loose over the top of the

### Allan Park

is wound directly on top of the this purpose may be made by twist-(Our own correspondent.) secondary. The primary winding ing together loosely about 6 pieces The village was very quiet last Thursday and Friday as almost should be wound only on the lower of No. 30 DCC wire. Scrape the ineveryone was away to the Hanover half of the secondary, and the turns sulation from the ends and twist exhibition. A good time was re-

apart. It is not necessary that the The variable condenser is the The road-making under manageprimary and secondary be wound in main tuning adjustment and the ment of Joseph Whiteman is protickler is used to bring the signal gressing fine. They are now cutting The tickler coil consists of 18 up to its maximum strength. It the hill opposite Moses Donnelly's turns of No. 22 DCC wire wound will be noted, when signals are gate. When that mile and a quarter on a cardboard tube, 3 inches in being received, that turning the is finished it will no longer be the diameter. This winding is arranged tickler in one direction will grad- Allan Park hills but just mere

as shown in the, diagram, so that ually make the signals louder until grades. Why is Andrew Park wearing there are 9 turns on each side. The the tube starts to oscillate and dissuch a smile? This is a question space in the middle should be about | torts the signal. The proper adjustthat comes before us daily. Some 5/16 inches wide so as to allow a ment is reached when the tickler say on account of the good road 14 inch shaft to go through the is in the position just before that which will soon be going past his point at which the distortion starts. gate. Others say he was trading The tickler coil is mounted so Care should be taken in tuning horses, but we know why. A young that it rotates inside of the upper with this circuit to keep it from son arrived Sunday morning. Con-

end of the secondary. The height oscillating. When oscillating, it gratulations, Mr. and Mrs. Park. Congratulations also to Mr. and of the shaft must be arranged so will interfere with your neighbor's Mrs. John Bartman, a son being born there Monday morning. We are told that this makes a total of thir-

> Farmers report full granaries. Mrs. Kerr, Sr. is still bedfast but

is holding her own wonderfully. We are glad that a new station house has arrived at Allan Park on a flat car. It will be put to place at an early date and the other one

#### TEN DAYS FOR DRIVING CAR WHILE INTOXICATED

which is more powerful than mine. Ans.-Try reconstructing your Norman Bruder, a Guelph motorseems to "rob" my set of reception. aerial. Also, try different grounds. ist, was sentenced to 10 days in the county jai! by Magistrate Watt when We both have outside aerials, run- As your set seems to be all right, convicted of driving a car while intoxicated. The charge was laid following an accident at the intersection of Victoria and Woolwich streets, when the car in which Brufor Toronto where she will attend der was driving struck a horse and Normal school for the coming year. buggy driven by Norton Harrison, of Miss Rebecca Banks of Toronto is Mrs. T. E. Blair and Miss Edith Guelph township, wrecking it and | at present visiting with her sister, Teeter accompanied her to the city. throwing Harrison out on to the pavement. Both vehicles were Miss Myrtle McClocklin spent the travelling north on Woolwich street Mr. and Mrs. Henry Moffat and latter part of the week at Welbeck when Bruder's automobile crashed son, Cecil of Edge Hill renewed with her sister, Mrs. Will Campbell. into the rear of the horse-drawn Miss Jessie Macfarlane of Hamilvehicle.

> Now that hairpins are obsolete |-Mr. and Mrs. R. T. Cook and Miss how does a woman fix her watch?

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NEW TWO-DOLLAR-BILLS HAS PICTURE OF PRINCE

Have you seen the new two-dollar Dominion of Canada note? Although leaves are taking on the golden tints the date of issue is given as June 23, and fall ploughing and stubble fields 1923, there are few who have seen the bill in circulation. A teller of one of the London, Ontario institutons recalls having handled the new issue as far back as three or four months ago, but they were by Congratulations to Mr. and Mrs. no means common. The appearance Archie McArthur, Townline, on the of the new bill is such as to compel arrival of a little son this 23rd of immediate attention. A clean-cut picture of the Prince of Wales Fall fair season is on in earnest. | occupies a central position, former-Dr. Carr managed to get two first ly allocated to a large "2," while prizes on his team at Hanover fair the figure denoting the denominaand is showing today at Thornbury tion at the top of the bill is much and tomorrow at Walter's Falls, enlarged. For the first time the Our fair promises to be a bumper maple leaf is included in the scheme one as our secretary is busy these of decoration, and the seal of the days recording entries. etc. Every- department of finance appears on body keep October 2 and 3 dates the face. Altogether it is quite different from the old issue.

### A BIT MIXED

(George Belcher in the Tatler.) First Gentleman (to entire stranger): "Surely I've met you before." Second Gentleman: "When?" First Gentleman: "Didn't we meet

in Ouebec?" Second Gentleman: "Never been made a start on the erection of the there.

steel fence around our memorial. First Gentleman: "Funny; neither The work will likely be completed have I. Must have been two other

# "My Wife Handles the Money"

The wife deposits

For the

-so a business man writes us. "She can do it better than I. Each pay day she always deposits our savings first. We never buy anything unless we have the cash to pay for it and each year our savings are growing.'

A Joint Account in the name of husband and wife In a joint

allows the wife to deposit or withdraw money during her husband's absence or when he cannot get to the bank during business hours. A Savings Account for the children will teach them the value of keeping their money, thus



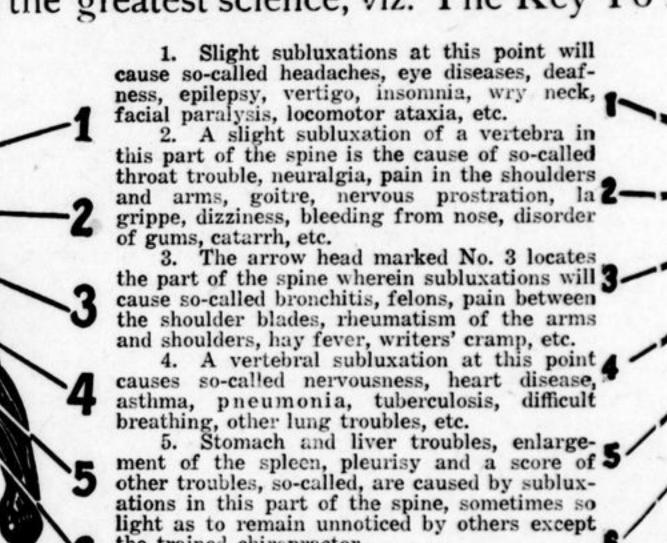
children, too helping them to form the habit of saving.

J. A. Rowland, Manager Durham Branch

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the trained chiropractor. 6. Here we find the cause of so-called gall stones, dyspepsia of upper bowels, fevers, shin-

gles, hiccoughs, worms, etc.
7. Bright's disease, diabetes, floating kidney, skin disease, boils, eruptions and other diseases, so-called, are caused by nerves being

pinched in the spinal openings at this point.

8. Regulations of such troubles as socalled appendicitis, peritonitis, lumbago, etc., follow Chiropractic adjustments at this point. 9. Why have so-called constipation, rectal troubles, sciatica, etc., when Chiropractic adjustments at this part of the spine will remove

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**CONTROL OF CORN B SIMPLE** AND INEXPE

Thursday, September 25.

Pest Extremely Bad in M and Elgin This Year. Should Protect Themselves

Ravages of the Europea borer have reached such proportions in both Middle Elgin counties that many are in danger of losing their corn crops this year. Elgin ticularly hard hit. In some ities the borer has infested per cent of the acreage.

Growers are advised to stringent measures of pre summarized as "cutting th low, ensiling it, ploughing the ble under completely and sure that all corn gets into as early as possible."

Methods of Control.

The methods of control are inexpensive and not contr good farm practices. To get idea of them it is necessary in mind that the borers over and remain until the May in any part of the co above ground large enough ceal them; hence they will ! in the stalks, stubble, cobs remnants of the crop left field or elsewhere. They be to some extent in stou growing among the corn. measures, therefore, consis in so treating these that the will be destroyed. If there this is easy, for all that is a then is to cut the crop lo it, plough the stubble und pletely and not drag it u when cultivating. The knives and fermentation kil borers that go into the sild ploughing destroys all lef field, provided everything beneath the surface.

If there is no silo or if will not hold all the corn, is sometimes a little har such cases the field must, ( be thoroughly ploughed crop has been removed. In some method must be pra disposing of the stalks an cobs. The best is to ru them through a cutting shredder, feed the cattle all eat, throw the remainder manure and haul this plough it under before the May. If for any reason the are fed whole the uneate should not be thrown out manure, but should be kept and burned. It is better to remnants than to plough der, because it is hard them completely with th The great point to keep it that no stalks, pieces of even cobs. should be le ground, in the field or alc or in the barn or the ba anywhere else. Moreover ing or ploughing must be by the end of May, for other borers will change into t around and lay their eggs

Plays Great Part

Ploughing down of the and other corn remnant great part in the contr borers, but to be effective ploughed under must not up again when cultivating but must be left buried: are dragged up many h escape destruction. The of the field should not be a toothed implement, b

Saturday

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found dependable t caused by Faulty Rheumatism.

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