

Superdyne Receiver

(Part Three) By R. M. SHERRILL (Radio Engineer)

The tickler coil rotates in the grid end of the secondary inductance. It consists of 20 turns of 24 gauge copper wire wound on a cardboard tube 21/4 inches in diameter. This core should be 11/2 inches long, and the winding should be spaced between turns as it was on the other public while under quarantine for watchman in town. coils.

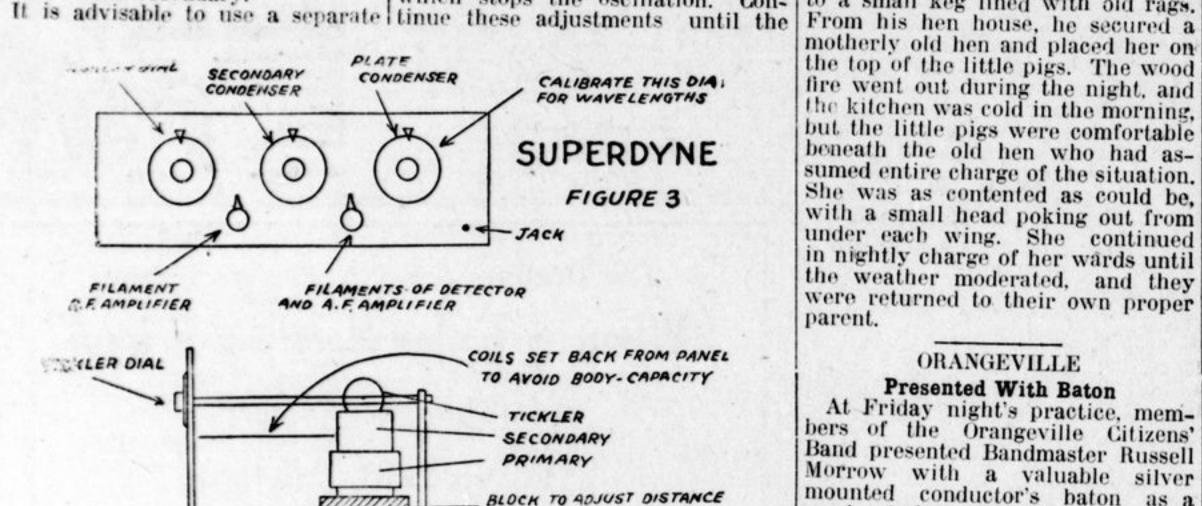
connections to this winding are made through flexible leads. The secondare shown in Figure 3.

tions as short as possible. Also, it nance.) plane of the secondary.

is moved to a different location.

The tuning of the Superdyne may ary coil should be directly below seem rather hard and critical at the tickler and should rest on some first, but such is not the case if this adjustable support so that the dis- one dial is calibrated and properly serious matter to disregard quartance between itself and the tick- used. The method of tuning is as ler may be regulated. The details follows: Look on your calibration chart and find the dial setting for The details of the panel arrange- the station you want to hear. Set ment are left to the taste of the in- your plate condenser at this read- Old Hen Mothers Three Tiny Pigs this continual draw on his finances dividual experimenter. It is sug- ing and tune the secondary to reso. For some time wonders have been with the result that on Tuesday of condition. gested, however, that the general ar- nance by its condenser. (The sec- reported from various parts of the this week, a Corporal of the Royal rangement shown in Figure 3 be fol- ondary condenser will usually be country, but no report has yet told Canadian Mounted Police was busy lowed as it is especially necessary within a few dial divisions of the of a hen going into the hog-raising in Chesley trying to locate the miss-

is advisable to keep the inductances As the secondary circuit ap. a young farmer near Metz found of his search amounted to, but it's a well separated. The tuned plate coil proaches resonance, the R. F. ampli- three young pigs had been added to safe bet that pilferers of military should be kept away from the sec- fier tube will probably start to os- his stock. He placed them in a box equipment are going to get into out. ondary and should be turned so that cillate, and in this case the tickler near the stove. When it came bed- serious trouble if they don't quit it is in a plane at right angles to the is slowly turned in the direction time, he transferred the little pigs their taking ways. which stops the oscillation. Con- to a small keg lined with old rags,



rheostat for the R. F. Amplifier tube, | secondary is completely in resonance

TWEEN SECONDARY

TICKLER

is well, however, to set the second- acclamation.

the plate coil may be calibrated for first time you try it out. Give your- improvements.

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RADIO QUESTIONS AND ANSWERS

Mr. Sherrill will be glad to help you solve your radio problems. Write him, care of The Durham Chronicle.

S. T. asks: "Will it be worth | ten in on them while the loud speakwhile to wind the tuning coil for er is being operated? The signals my Ultra Audion with 8 gauge cop- are too loud for my ears when the per wire in order to cut down the phones are connected in with the

Ans .- No. Using such heavy wire Ans .- Try connecting your headmakes the inductances too large. phones in series with a 1/2 megohm Moreover, it will not cut down the grid leak to the same terminals that radio frequency resistance.

B. E. C. says: "I bought some col- B. M. S. says: "My Baldwin headlodion for my radio coils, but the set rattles badly when loud signals stuff is so thick that I cannot use are coming in. Is there any way it. Is there any way to thin it out in which I can stop this trouble?"

Ans .- Add ether to the Collodion the metal armature touching one of when it gets too thick. Keep it the pole-pieces. If this is the case, the noise may be stopped by bending

tightly covered when not in use.

J. E. T. asks: "How can I connect ture until it stands in the centre of up my headphones so that I can lis- the space between the pole-pieces.

FORTY-SIX LESS

aged over 30 a month for the past compensation costs are reduced. several years. The value of these 46 lives can hardly be estimated, but the reduction, at least indieates that there is a little more care according to Punch, once lost his for some time for high blood presand thought being used by all con- temper at a particularly awkward sure and accompanying complica-

1925 was 12,655—also a noticeable of yours'll get so kicked we shan't As a consequence, he is being grant-decrease from the first three months 'ave nothing but lame 'osses in the ed a vacation by the Attorney-Genof 1924 when there were 14,144 ac- stable." cidents reported to the Board. Ac-

average of over six million dollars preme Court has passed on an ap-In the first three months of 1925, each year and, in this manner, have peal from a conviction rendered in there were 46 deaths due to indus- added to the tax burden that the a similar case and which will come trial accidents in Ontario. In the Province must face. Compensation before it on April 22nd. The acsame period of 1924, there were 92 losses offer one point of attack in cused merchants claimed at their deaths. This decrease is quite ex- the efford to lower costs. Accident trial last week that they were meretraordinary, especially when it is re- prevention makes greater returns to ly acting as local agents or buyers membered that the number of in- the employee whose life or limb is for Loblaw's chain stores in Toron-

Ans.—Sometimes this is caused by

one of the supports of the arma-

operate your loud speaker.

For the Sake of the Horses A sergeant in the British Army, who has been under medical care

recruit. The total number of accidents reported to the Workmen's Compensabe'ind without speaking to 'em! he ties for several months is necessary to be roared. "If you do, that thick 'ead to secure his restoration to health."

cidents in the past three years have cost industry in this Province, in trall sweating over a seven letter partment.

How sweet it is to watch a know-duties will be appointed by the Department.

The first British family to come

News of Nearby Towns

MOUNT FOREST

Mount Forest Horticultural Socie- erton on the boundary. ty met Tuesday evening of last bership of 180.

accident.

GRAND VALLEY

For Breaking Quarantine A party in Arthur Township was up here before Police Magistrate scarlet fever to which he pleaded ing to pay all costs, including the ple should remember that it is a to make good the deficiencies. antine or to violate any section of the Public Health Act.

ELORA motherly old hen and placed her on the top of the little pigs. The wood fire went out during the night, and the kitchen was cold in the morning, but the little pigs were comfortable beneath the old hen who had aswith a small head poking out from under each wing. She continued the weather moderated, and they were returned to their own proper parent.

ORANGEVILLE

Presented With Baton

master and the town and would do graph, with those of other officers but if UV 201A tubes are used, all with the plate circuit and the oscil- credit to places much larger than of the company, occupy a place on Orangeville.

inches to avoid the effect of body- lic Works, Toronto, was in town on "Eminent Bandmasters who endorse One of the very desirable features capacity in tuning with the tickler. Tuesday going over the post office Conn instruments," contains a good of the Superdyne receiver is that the Do not lose patience with this re- building, which, as a result, is to re- picture of our own J. T. Park, with

tomed to hearing. Thus, once you with this circuit and its tuning, as of the town, died Monday morning Band of Winnipeg which went overget a station tuned in at its maxi- the results obtainable with the Su- in his 74th year. Interment was seas in 1916 and was later appointed made at Kenilworth.

WALKERTON Walkerton held its first 1925 la- whole family uses Conns. crosse practice on Tuesday of this

Rev. Mr. Williams, Presbyterian Hanover Hospital Board requests pastor at Riversdale, was turning a grant of \$1,000 from the Town into Mr. J. Lee's gate near that vil- Council, owing to the fact that it lage on Tuesday night in his Ford has had a rather slim year. The coupe, when another coupe, driven chairman of the Public Utilities by a Durham man, banged into him. Commission wants \$2,500 for water-The side of Mr. William's car was works extensions. badly dinged, the running board be- The Board of Trade is making

Durham coupe, which was a brand held soon. new car, sustained little damage. firms, the successful tenderer being Mr. W. H. McBurney, who will re-

ceive \$930 for 31 uniforms. County Magistrate McNab, who reserved judgment after hearing evidence on three charges of violating the Egg Grading Act preferred against Hiscox and Mann, general merchants of Teeswater, will withhold his decision until after the Sudustrial deaths in Ontario has aver- saved than to the employer whose to, and on this grounds contended that they did not come under the

ruling of the Act. County Magistrate A. E. McNab. tions, has been advised that a comeral's Department, and a man to temporarily take over his magisterial

The first British family to come

into Bruce County under the terms ig the season, McMaster debaters, of the Empire Settlement Act, late- met and defeated teams representing Canadian Governments, arrived in icine, the Royal College of Dental Interesting News of Country Roundabout as Gleaned From Our Exchanges.

Walkerton last Friday night by C.
P. R. in the persons of Mr. John
D. Watt, wife and two children from
Aberdeenshire, Scotland, they going
Aberdeenshire, Scotland, they going
Aberdeenshire, Scotland, they going

week, when a very interesting re- of the surrounding towns and vil- ative of the following resolution: port of the recent Ontario convention lages, the local Retail Merchants' That the future well being of Canin Toronto was given by Mr. How- Association has decided to observe ada depends more upon a thorough ard Skales. The society has a mem- Thursday afternoon as their weekly understanding and practice of ecohalf-holiday from May 1st to Octo- nomic laws than of christian ethics. On Thursday, while rolling logs ber 1st. This is the day that Walk- Clyde has ben elected president of with a canthook at Murphy's saw- erton has been observing for some the McMaster Debating Union for mill, Stewart Cummings slipped on years, and we understand most of next year. some ice and fell, breaking his leg the surrounding places are falling above the ankle. Both bones were into line and will observe the same \$168,284.94 during the fiscal year fractured. This is the second time day. However, this year there will ending March 31, 1925, an increase of that leg has been broken, and the be the half-holiday on Thursday, \$14,114.07 over the preceding year. other leg was broken once, so that irrespective of whether a Statutory Stewart has been peculiarly unfor- holiday falls within the same week Stewart has been peculiarly unfor-tunate in this respect. He has suf-or not. As a consequence, Dominion HIGHWAY CONDITIONS fered severe pain since his recent Day, which falls on a Wednesday, will be observed, as will also the next Thursday afternoon, the two coming with one week.

CHESLEY

The council is having trouble in Scott of Moorefield on Friday last arriving at a unanimous decision as

The rotation of the coil is con-Idial reading and use it in getting I time a presecution had been made.

| Grant | Gra trolled by a 4-inch brass shaft extending through the panel and the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change, even if the cardboard core into a supporting stant and will not change. Even if the cardboard core into a supporting stant and will not change at the cardboard core into a supporting stant and will not change at the cardboard core into a supporting stant and will not change at the cardboard core into a supporting stant and will not change at the cardboard core into a support stant and will not change at the cardboard core into a support stant and will not change at the cardboard core into a support stant and will not change at the cardboard core into a support stant and support stant stant stant stant stant stant s bearing in the rear of the set. The aerial is changed or if the receiver was arranged by the party agree- the Company, has on more than one good condition. Road across Bur- I am gaining in weight all the time and occasion been forced to whack up lington Beach open for traffic. expenses of quarantine, amounting a considerable sum of money to the in all to something like \$20.00. Peo- Department of Militia and Defence open.

The latest articles to find their Lee-Enfield rifles, and as it costs the St. Thomas-open throughout. Major around \$70 to pay for someone else's artillery, he objected to Clappison's Corners, then north. in this receiver, to keep the connec- calibrated dial reading, at reso- business. On one of the coldest ing fire-arms. We are not in a posnights during the recent cold snap, ition to state just what the results

DUNDALK

Charles McConnell, a former wellknown resident of Dundalk, died in Toronto on April 6th in his 81st year. W. D. Mercer showed in his store last Friday a rare flower in this norsumed entire charge of the situation. through the mail by Mrs. Mercer's mother and sister, Mrs. Wylie and daughter, of Owen Sound, who spent in nightly charge of her wards until The flower is a dull reddish shade with numerous petals and very large. The bud is nearly as long as an ordinary corncob.

The March number of Musical Truth, published by C. G. Conn. Ltd.. of Elkhart, Indiana, marks the gold-At Friday night's practice, mem- en jubilee of that well-known firm bers of the Orangeville Citizens of band instrument manufacturers.

Band presented Bandmaster Russell | This special edition contains an Morrow with a valuable silver interesting history of the growth and mounted conductor's baton as a progress of this big business from mark of their appreciation of his its inception in a small way in 1875. rvices. Mr. Morrow has built up C. G. Conn, its founder, is still assoa band of about thirty members. The ciated with the business ,though now organization is a credit to the band- about 80 years of age. His photostat. With these tubes and 90 volts It is unnecessary to shield this Raspin Scott of Orangeville was lustrations showing the remarkable on the plate, a 3-volt C battery receiver unless there is a strong elected President of the Ontario growth in the factories during the should be connected as was shown interference from local stations. It Amateur Lacrosse Association by half-century. There are numerous ary back from the panel by several Mr. R. Winter, inspector of Pub- prominence and a group headed, photos of Conn instrument users of dial of the condenser which tunes ceiver because it does not work the ceive a fresh coat of paint and other the following note: "Joseph T. Park the various stations you are accus- self time to become well acquainted Francis Lehman, an old resident bandmaster of the 222nd Regimental bandmaster of the 19th Reserve Band in England. Three sons and a daughter now play professionally—and the

ing smashed and the axle bent. The plans for its annual banquet to be

The Kerr shield, debating trophy, The Citizens' Band let the contract contested for by ten of the Univerfor supplying the new band uni- sities and Colleges of Toronto, was forms on Monday night. There were won this year by McMaster Univera number of tenders received, four sity, and comes back to her halls affrom town and several from outside ter an absence of nine years. Dur-

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The Variety Store

R. L. Saunders, Prop.

of the Empire Settlement Act, late-ly enacted between the British and Canadian Governments, arrived in icine, the Boyel College, of David

to a farm between Glamis and Tiv- against Trinity and also last week in erton on the boundary. the finals against Victoria. In the After communicating with many final debate, McMaster had the neg-

Hanover customs house collected

THROUGHOUT ONTARIO

Concise Road Report Prepared by Ontario Motor League.

A report on roadway conditions charged with mingling with the to who shall be the next night- along the main travelled highways of the Province has been prepared Military equipment and clothing by the Ontario Motor League, as elonging to D Company of the Bruce follows:

Niagara Falls to Fort Erie-Road

Niagara Fails to Detroit-Via way from the armories were two Dunnville, Jarvis, Tillsonburg and

Guelph-Go via Dundas Street to carefully. Guelph-Owen Sound-Road in good

Open for motoring. Guelph, Elmira, Listowel and Wingham—Road open.

Guelph, Harriston and Kincardine

Hamilton to Galt, Kitchener, Stratford and Goderich-Open through- Orangeville and Owen Sound-Open

Stratford to Sarnia—Road open.

Hamilton to Caledonia, Jarvis and

Simcoe-In good condition for mo- and Tottenham Open via Chatham and Sarnia.

side of Simcoe open to Beaverton. | low Yonge Street to Lansing, and go Orillia, Coldwater and Midland- east or north on Yonge Street to

Open for travel. Kingston Road—Open to Quebec ville and Uxbridge. boundary. Soft spots may occur between Bowmanville and Port Hope Barrie to Collingwood and Owen while frost is coming out of the Sound-Road open.

HALIFAX NURSE

She Is Willing to Answer Letters from Women Asking About Lydia E. Pinkham's Vegetable Compound

Halifax, Nova Scotia. - "I am a maternity nurse and have recommended Lydia E. Pinkham's Vegetable Compound to many women who were childless, also to women who need a good tonic. I am English and my husband is American, and he told me of Lydia E. Pinkham while in England. I would appreciate a copy or two of your little books on women's ailments. I have one which I keep to lend. I will willingly answer letters from any woman asking about the Vegetable Compound."--Mrs. S. M. COLEMAN, 24 Uniacke Street, Halifax, Nova Scotia.

Could Not Sleep Nights

Dublin, Ontario. - "I was weak and irregular, with pains and headaches, and could not sleep nights. I learned a bout Lydia E. Pinkham's Vegetable pound by reading the letters in newspapers and tried it because I wanted I tell my friends what kind of me I am taking. You may use my letter as a help to others." - Mrs. JAMES RACHO, Box 12, Dublin, Ontario.

ground. Motorists advised to drive

Ottawa-Go via Kingston Road to Prescott and north. Whitby-Lindsay-Open through-

out. Cars also getting through to Bobcaygeon.

Peterboro-Open via Welcome and Dale, and north from Port Hope. Cooksville, Brampton, Shelbourne,

throughout. Soft spots near Chats-Weston Road—Open to Schomberg

Markham-Kennedy Road open Hamilton to London and Detroit- throughout. Danforth Avenue, at end of pavement, closed for repairs Yonge Street-Open to Orillia, East until July 1st. For Markham fol-

Vaughan Road-Open throughout,

Langstaff, and east through Stouff-

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World News Se At A Glance

Thursday, April 16, 13

Daily Events as Told by Condensed for Busy Chr

Thursday

Readers.

Six men were killed and 2 wounded, 15 of them critically orematurely on board the ha Cajo Duilio yesterday, Fit out immediately, but it was It save the vessel from destruct

A remnant of Samaritans of the literal rites of the Passov rifice on Mount Jarizim, ab town of Nablus, six miles s the city of Samaria, on T Many visitors were attracted cluding some Jews, and a fra curred, resulting in a nun slight casualties.

Three non-commissioned were killed and one priva seriously wounded yesterday Silesia, through an explosion mass of condemned hand-gr The four men, who had gone safety dugout, emerged f thinking the pile of munitid not ignited. The death of Khalassi, well-

Mesopotamian mullah (expou the law and dogmas of Isl reported in a despatch to th habad Pioneer from the Persi city of Meshed, All the l places of Meshed, where h died, are closed and order been sent to the principal throughout Persia for closing bazaars and general mournil Dock mechanical workers are affiliated with the Tr

Workers' Federation in Holla terday decided to proclaim a They claim increased wages florins weekly and a defit rangement concerning their Three branches of mechanic ity at the docks are idle workers are expected to str afternoon. (The value of is approximately 40 cents. John Sandeman Allen, G

tive M. P. for Derby West, 1 of the Liverpool Chamber merce, and prominent maril ance expert, speaking at the ing of the Liverpool Cha Commerce vesterday, said to dian Government appeared t impression that Chambers merce would welcome Gor Control of shipping freight really has that idea, it our disabused," Mr. Allen sai Speaking at the old settle Roshpina, near Tiberius,

day, the Earl of Balfour, making a trip through Pale ter having inaugurated th University last week, vigor fended the policy express Balfour declaration, name Great Britain would use endeavors to facilitate the lishment in Palestine of a home for the Jewish Peop No trace has been four two British flying officers been missing since a large plane fell into the sea off

of Kent, near Birchington, day, and it is feared they Two other men were resci hospital, one of them in glo-Australian migration a it is revealed today, will be in the next 10 years, beside

A provisional commen

was accompanied by George. The clash between M

essentially is an Arab M in which the Jews are

Bank, founded in 1920, i be entrusted to a Board nominated by the Mini

Donald MacLeod ve firmed to the Canadia vice for a subsidy of 4 proposed to pay Sir W son for a steamship set England and Canada.

The results in the were elected, among the 900 women. The m total membership of the Soviet, as compared w last one.

An Exchange Teleg received in London says that the Bapt Burma announces the Kalaw Hill station of