# Spodes

Old Roman Scenery produced from original engravings.

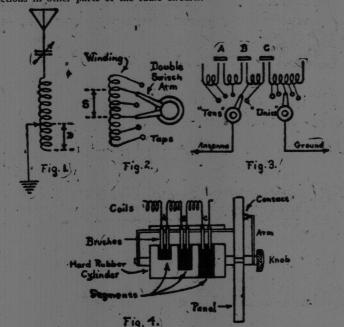
W. H. HAYWARD CO.

85 to 93 PRINCESS STREET

### FIFTEEN MINUTES OF RADIO EACH DAY

By Edward N. Davis Formerly Technical Electrical Expert For U. S. Government

Lesson No. 209.
THE END TURN SWITCH



The unused portion of the coil, therefore, possesses both capacity and inductance and consequently has a definite period of oscillation which may be in resonance with the part of the coil which is in active service. Under these conditions the unused portion of the coil absorbs energy from the unusue portion and the resulting transfer of energy reduces the efficiency of the circuit to a considerable degree:

In Fig. 1 the antenna circuit contains a large coil which is tuned to a comparatively low wave length, leaving the unused turns (D) which should be removed from the circuit in order to reduce the amount of energy absorption to a minimum. In Fig. 2 is illustrated a type of "end turn" switch which effectually removes the effect of the unused turns from the circuit by short-circuiting two sections (S) between the used and unused portions of the winding. This switch has two arms placed at such an angle to each other as to rest on the contact points two sections apart, thus short-circuiting the intervening turns and eliminating to a great extent the "dead-end" losses.

In Figs. 3 and 4 is shown the construction and connection of an "end turn" switch which removes unsued end turns from circuit. As shown in Fig. 4 this switch is of the drum type consisting of a cylinder of hard rubber on which is mounted brass or copper segments. The sections of the coil are connected to small stationary metallic brushes resting on the segments. Turning the knob causes the segments to rotate and their position is regulated as to permit a gradual increase or decrease in the number of turns connected in circuit. In Fig. 3 is shown how the various sections of the coils may be added in the "tens" circuit while the circuit is being tuned to the higher wave lengths by regulation of the knob controlling the winding, de-

-Waterbury & Rising's

# January Sale

of WINTER FOOTWEAR-

## **SPECIALS**

For the Week-End at our Union Street and Main Street Stores

If you have not already visited our stores to take dvantage of the bargains offered, we would advise an early visit as these lines are being sold out quickly at the very low price quoted. Here are a few of the many bargains offered:

Children's Laced Gum Rubbers; sizes 6 to 9 ...... 89c Boys' Laced Gum Rubbers; sizes 11 up, From \$1.85 to \$2.70

Men's Felt Boots; all Felt or with Leather Trim; for-mer prices, \$4.50 and \$5.50 ......\$2.80 and \$3.50 

677 Main St. 212 Union St.

COSTUMES FOR CARNIVAL WEEK

# AMDUR'S, LTD.

'No. 1 King Square

Brand new, all wool Sweaters and Mufflers in wide variety of choice in design and colors. Men's Woolen Underwear . . . 85c garment For Ladies Golf Sox ..... Boys' Coat Sweaters ..... 69c Pure Wool Mufflers ..... 69c

All goods brand new in style and color.

AMDUR'S WOOLEN CENTRE, King Square

pending upon the various bands of wave lengths to which it is desired to tune, these wave lengths ranging from the amateur wave length in the vicinity of 200 meters to the 2,500 meter wave on which time signals are transmitted, with provision for receiving the broadcasted signals at 360 and 400 meters respectively.

It is apparent, therefore, that the application of an "end turn" switch provides a simple method for eliminating to a considerable degree any transfer of energy between the active and inactive sections of the tuning coil and permits the construction of a large tuning coil adaptable for efficient long and short wave reception.

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#### RECENT DEATHS Mrs. A. D. Toogood.

#### Put the DUCON in a Lamp Socket and **Your Aerial** is Ready

A DUCON Plug allows a Radio Receiving Set to be connected to any electric light socket. It is simply screwed into the socket like an electric bulb. Nothing further is necessary. The tuning is done in the usual manner. All outside wires are eliminated.

Sale by all sale Dealers \$1.75

Begins Saturday 20th to 31st Our store wide disposal of all remaining Winter Merchandise, as well as many clearing lots from the manufacturer.

Announcement

January Clearance Sale

at London House

The time has come when every remaining article of Winter Goods must go, regardless of price. Progressive merchandising methods demand it. Our policy insists upon it. It's a clearance sale that combines a true business principle and a well defined purpose, namely, that every six months a thorough store-wide cleaning must take effect to insure the starting of the new season with new stocks. Every department has contributed its share to this sale. You will make worth while savings.

Many special clearing lots of first quality merchandise have been brought in from the manufacturer. This is a feature that will make our January clearance sale more popular than ever before.

Women of St. John and vicinity would do well to come early and often and get their share of all the good things we will have to offer them. It's an annual bargain time.

## London House

F. W. DANIEL & CO.

HEAD KING ST.

widow of Captain Toogood, Second Bengal Fusiliers and of her late Majesty's Body Guard. Besides Mrs. Majesty's Body Guard. Besides Mrs. Wilmot, now of this city, two other daughters survive, Mrs. Heberden, of Exford, Somersetshire, and Miss Dora, at home; also one son, Lieut.-Colonel Cecil Toogood, D.S.O., Lincolnshire Regiment, of Guildford, Surrey. Mrs. Toogood, who was in her eighty-ninth year, was much esteemed by a large circle of relatives and friends.

John Mullaney, an old and highly respected citizen of Milford, died early this morning at the residence of his son-in-law, Henry Berry of Church avenue, Fairville. He leaves one brother, James Mullaney of Milford and two sisters, Mrs. Henry Berry, Fairville, and Mrs. William McJunkin of St. John

Mrs. Caroline Kilpatrick. The death of Mrs. Caroline Kilpatrick occurred yesterday at her home in Upham, Kings County. She is survived by two sons and eight daughters, one of whom is Mrs. Alexander Crawford of St. John. The funeral will be held Stores Open 9 a.m.; Close 6 p.m.

NO APPROBATION NO EXCHANGE

# January Sale Of Men's Furnishings

A Great Bargain Occasion

A PPRECIATING that a man's furnishings plays a big part in making variety to his dress, we have secured an unusually large selection—enough variety in style, fabric and color to meet individual needs and preferences.

You'll find some great bargains in this sale. It's a BUY NOW opportunity worthy your immediate attention.

### Sale Commences Friday Morning Men's Colored Shirts

TWO BARGAIN PRICE LOTS



No. 1—Reliable cord cloth Shirts with full sized bodies and double sewn seams. Made with soft double cuffs and full yokes. Five different patterns in three colors.

\$1.29 each

No. 2—Odd Shirts in several reliable makes. All good serviceable cloths in a selection of nice colors and patterns. Clearing the assortment at

\$1.89 each

#### Clearance Prices on Half Hose Offer an Opportunity to Save Money

Heavy ribbed wool Half Hose in black only..... Sale 25c pr
English ribbed Worsted in black or grey. A particularly
big value ...... Sale 40c pr
All Wool Heavy Rib in black, grey and heathers. A 

Colored Cashmere with clocks. Extra quality; new colors . . . . . . Sale 89c pr Silk and Wool ribbed in new mixtures

Extra quality fine, all wool Cashmere, "Two Steeple brand." Fashionable colors.

Union Cashmere in medium weight; black only ...... Sale 35c pr

All Wool Black Cashmere; plain or with grey spliced heels and toes. English make. A very exceptional value. 50c pr

Winter Weight

Underwear

Priced to Clear

Men's Fleece Lined Shirts and Drawers, reliable make, wonderful value, 69c. pair.

Men's Heavy Ribbed Wool Shirts (traveller's samples). Every garment a genuine bargain, 75c., \$1.15, \$1.25.

Men's Union Suits (traveller's samples). Fleece lined, merino and fine or heavy ribbed wool. Sale prices \$1.35, \$1.50, \$1.75, \$2.50, \$3.50.

Men's and Boys'

**Sweaters** 

All Year Around Quality.

Men's Coat Sweaters in medium weight, with shawl collars. Genuinely bargain priced, \$3 each.

Men's Navy Worsted Pullovers with roll collars, very special, \$2.50 each,

Men's Black Cardigan Jackets, \$3 ea.

Boys' Pullover Sweaters in popular colors, only 75c., \$1 and \$1.25 each.

Boys' Coat Sweaters with shawl collars. Sale \$1.25 each.

Sample Undershirts

Boys' sizes only.. Fleece lined, 50c. arment; heavy ribbed wool, 65c. and

75c. garment.

Boys' Fleece Lined Union Suits, \$1



All Silk Neckwear in favorite shapes and an assortment of new patterns and popular colorings. Sale prices 59c., 79c., 95c. each.

Men's Brushed Wool Mufflers in dark colors. \$1.00 each.

Men's Brushed Wool Mufflers in dark colors, \$1.00 each.

Men's Plain Knitted Wool Mufflers with bordered ends. Showing in the popular heather mixtures. Sale \$1.50 each. each.
Men's Fibre Silk Mufflers in stylish
two and three tone mixtures. Dark
colors. Sale \$1.50 each.
Men's Braces in genuine French
style. Sale 35c.
Boys' Braces (sample lots), 10c., 15c.,
25-

Men's and Boys' Starched Collars—Several styles, 2 for 25c.
Men's and Boys' Soft Collars—Some are slightly soiled; 29c. each, 4 for \$1.

#### Gloves and Mittens!

A Few Odd Lines Priced Very Men's Scotch Knit Gloves. Sale 65c.

men's Scotch Raint Oloves
a pair.
Tan Cape and Brown Mocha Gloves
with warm wool linings. Sale \$1.39
and \$1.65 pair.
Heavy Fleece Lined Driving Mittens. Sale 75c.
Men's Heavy Driving Mittens made
from oil dressed deerskin, lined with
fleece. A big bargain, \$1.75 pair.
(Men's Furnishings, ground floor.)



Handkerchief Bargains

Colored Bordered, or in plain white ambric or mercerized cotton. Sale, 2 Extra quality highly mercerized Handkerchiefs in larger sizes. Hemstitched and colored bordered. Sale 25c, each.

(Men's Furnishings, Ground Floor.)-



Remarkable Bargains In Baggage of the Reliable Kind. Some pieces are very slightly defaced

SUIT CASES Sale... \$6.50, \$7.50, \$8.25

Brown Keratol-Real Leather, in brown only—
Two big values. \$10 and \$15

HAND BAGS

Black Walrus, grained, leather lined—Sale ..... \$8.50

Smooth Leather in brown or

black, leather lined-

the most popular shapes—
Sale . . . . . . . . \$25.00

Best Brown Cowhide—

FOLIOS
In tan cowhide, size 14 in.,

In tan or black cowhide, size 

16 in. . . . . . . . . . . . \$8.50 HAT BOXES 

For man's hand bag. Sale \$15 SCHOOL BAGS In heavy split cowhide or black seal grain. Sale.....\$2

TRUNKS

TRUNKS

Steamer Trunks with heavy, hard fibre covering. Two big values.....\$18.50, \$20.00

General Purpose Trunks, with steel covering.....\$12.50

General Purpose Trunks, with hard fibre covering. Large size.....\$13.50

34 in. Trunks in the old reliable style. Very strong. Sale prices...\$15.50 and \$16.50

Wardrobe Steamer Trunks with the new heavy steel bound. the new heavy steel bound edges. Sale price... \$27.75 Sale of English Made

Wool Rugs Reversible Plaids with fringed ends. Used for travelling, boating, driving, camping, etc. Every piece genuinely bargain Sale \$2.75, \$4, \$5.75, \$7, \$7.50, \$8, \$11.50.

Mackinaws and Sheep Lined Coats

Reduced to Clear
Men who work out of doors
will find these short warm coats ideal for winter wearing. Great for skating and other outdoor

sports, too.

Men's sizes, \$8.95 and \$11.50

Double lined . . . . . \$11.95

With sheep collars . . . \$12.95

Sheep Lined Coats with whipcord or corduroy coverings and warm sheep collars—

Only . . . . . . . \$11.50

Boys' Mackinaws in dark brown checks \$5.95 and \$6.95 each Men's Clothing, 2nd floor.)

anchester Robertson Allison Limiteds
KING STREET GENNAM STREET . MARKET SQUARE.