[By Jack Binns.]

The first thing to do is to make the receiving set.

Remove the brass nuts which you find on the top of the coil and replace them with the double binding posts,

WHAT IS NEEDED FOR THE TRANSMITTER.

One so-called spark cotl, which will cost about \$4 50. One so-called "strap-key" which electric houses sell for not more

Six old dry cells, which are thrown away in garages or elec-

Two ordinary drinking glasses. Two one-eighth inch round brass rods, four inches long. Two so-called "double binding

One piece of tin, four by six Two small brass key chains, five

inches long. Two small binding posts. One board, eight by eight inches. Some tinfoil.

which will screw on the bolts from which you have removed the nuts. The spark coil must be handled very carefully because the wires within are very fine and are easily broken.

Fasten the brass rods in the binding posts as (a) and (b) in figure 15, so that a spark can jump between their ends. This is the spark gap and it is

in the rear, in about the same position as the tuning coil was placed in the

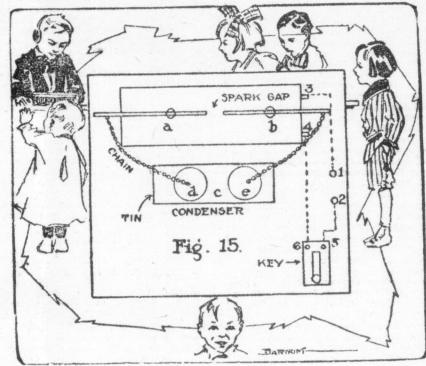
> About two inches in front of the spark coll, spread the piece of tin, engthwise, as shown by (c), fastening it to the board with small tacks. On this tin, place the two in tinfoil covered glasses, as shown by d and e.
> At the front of the board, and to

he right, place the strap-key. Figure 15 shows the arrangement of these instruments. On the right edge of the board, op-

posite the glasses, place the two small inding posts, marked 1 and 2. Now we are about to wire our instruments together.

In the glass marked d, place the end of one of the chains, so that the chain touches the bottom of the glass. Fasten the other end of the chain-it can be hooked on by a link—to the end of the brass rod of the spark gap. The glass marked e is connected in the same manner with rod b. Connect binding post 1 with binding post 3 on spark coil. No. 2 is connected with No. 5 on strap key and No. 6 on strap key is connected with No. 4 on coil. Connect the six dry cells in series, with insulated wire, and place the batteries on the floor under the table. Connect the two wires from the cells to binding posts 1 and 2. Connect aerial with oinding post d on spark coil and connect a ground wire, attached to gas or water pipes to b on spark coil.

Now, when you press your key you should get a short, white spark in the spark gap. If you do not, then move the brass rods to and from each other until the best spark is obtained. still you do not get a spark, look a your battery connections and see they are connected properly, and th wires fastened tight in the binding



Take the two glasses and coat them receiving plant and attach it to the inside and out with shellac and before sending outfit. Never connect the the top of the glasses, both inside and your entire plant by "burning it out," outside of the glasses. Be very care- as the wireless men say. tinfoil on smoothly avoiding air bubbles. Allow them to practicing on your instrument and, be dry thoroughly; overnight will be fore you know it, you will be a fullenough. These two glasses form the fledged wireless operator.

Now we are ready to mount our spark coil and our condenser on the eight by eight board. This board ought to be nicely shellacked, Fasten the spark coil on the board,

the spark which jumps from one of | Now, when you want to receive mesthese rods to the other that will send out your message to the world, receiving plant. If you wish to send Now we must make a condenser. messages, remove the wire from the dry, cover the sending and the receiving outfits

Now learn the American Morse code



NO ATTEMPT MADE TO MINE THE COAL

All the Collieries in the United States Are Now Closed.

CONFERENCE

Anthracite Miners Expect to Receive Flat Increase of Ten Per

Wilkesbarre, Pa., April 1.-Mine workers' leaders tonight reported that the suspension order generally obeyed, that only engineers and pump runners were at work to- tiful supply. Some of the enterpris day and that none of the collieries made any effort to mine any coal. Officials of the big coal companies confirmed this report, and said they were not making any attempt to induce men to work, and that only enough steam to run the pumps and the fans was maintained at the mines. Whether this condition will prevail until the conference between the mine workers and the operators opens on April 10 is not known. It is believed here, however, that the larger coal companies will make no effort to mine any coal, that they will merely guard their property and await the result of have sold all their coal, and report their customers have stocks for sev-

eral weeks in their bins. John M. Mack, secretary-treasurer of the Wilkesbarre-Scranton distric' returned here today from Cleveland, Ohlo, to direct the interests of the miners during the absence of Presdent Dempsey. He perdicts that the operators will offer a flat increase of ifestations of sorrow, the remains of 10 per cent, when the Philadelphia the late Charles A. O'Neill, whose conference is held.

"This offer," he declares, "may no: be the first to be made, but it will ed to the tomb in the Catholic Cemeeventually come, and will no doubt be tery yesterday. Hundreds of citizens the limit of the concessions offered by

the operators." The rank and file of the miners will determine after the conference whether the offer is to be accepted or rejected. From the viewpoint of the union leaders a wage increase will not be sufficient to restore peace. More than a mere money consideration will be sought by the men. The union will

MAPLE SYRUP WILL BE VERY PLENTIFUL

Expected That Price Will Drop Shortly to One Dollar Per Gallon.

[Special to The Advertiser.] Ingersoll, April 1.—Gathering the maple sap is now the principal occuunate as to possess a "sugar bush. Although the weather yesterday was disagreeable, there was a surprising flow of sap, and, according to reports the syrup will be offered in plentifu quantities during the week if favor-

able weather continues. Sunday was an ideal day, and mapl trees that stand on the south side o farm never gave forth a more plen ing syrup-makers have already interprospective customers and completed arrangements for the sale of practically their entire production. This, they claim, is a very satisfactory

olan to follow. In many cases they make conservahould the amount be larger than anticipated, they have no trouble in disoosing of it. They, however, find that being able to sell their syrup without standing for hours on the market is a big advantage, and naturally gives them more time for other work. It is expected that the ruling price this week will be \$1 25 a gallon, with a drop to the conference. These companies \$1 very shortly if the supply is up to

INGERSOLL FUNERAL

Many Places of Business Closed Out of Respect to Mr. O'Neil

[Special to The Advertiser.] Ingersoll, April 2 .- Amid many mandeath occurred suddenly in his grocery store Friday night, were consign-

gathered to pay their last tributes of LOST VITALITY Caused by Kidney, Stomach and

Bowel Disorders St. John, N. B., Sept. 18, 1911 .-- My brother was a great sufferer from kidney, stomach and bowel troubles and

Big Sale in Basement Tomorrow

Table Cloth Seconds, Sheetings, Cottons, Pillow Cottons, Towels, Towelling, Prints, French Cambrics, Cotton Sheeting, Cotton Voiles, Crepes, Cotton Foulards, Etc.

Tomorrow we will begin a basement sale, for which preparations have been going on for some months past, which will include many lines taken right from our regular stocks as well as numerous jobs or clearing lots for which our buyer searched the European markets, and to begin with, we would say that each and every item in this sale will be priced considerably under regular value, and many lines listed for tomorrow are almost at the half price mark.

department where regular goods are selling, is to make it easy for and have first choice.

customers who attend such sales to make selections and distinguish from regular lines. Long stretches of counters will be arranged in well-lighted basement on which all special sale merchandise will be sorted and grouped each by itself and everything found on these counters you will know are, as the tickets will indicate, at greatly reduced prices.

As this will be our first basement sale, we are determined it shall be the biggest event since the opening of the new building and will mark another epoch in the history of this business, and so the prices have been made, that the mere announcement of a base-Basement Sales.—The object of removing all sale ment sale at Smallman & Ingram's will crowd the counters at the opening hour. Be on hand at eight in the morning tomorrow

Towels in Basement Sale

Specially purchased in Ireland for this sale. Get your summer supply while these stocks last. Bath Towels-Special 25c quality, large size. Sale Special Turkish Bath Towels, brown and white

stripe, large size,.........25¢ each, \$2.75 dozen Large size, 20x38 inch real Irish Linen Hemstitched Huckaback Towels. Special at.....

Battenburg Squares 39c and 59c

4 dozen 30-inch Battenburg Squares, lace edge, with linen centre, extra good value at 75c; sale price, 3 dozen 30-inch Battenburg or Lace Edge Centres or Shams. These are regular 59c Shams. Sale price, New stock "Horrockses" Bleached Sheetings, 7.2 and 81-inch widths. Specially priced, yard....35¢, 40¢

Hemmed Sheets, \$1.25 Pair

Two sizes, 72x90, and 68x90 inch, good quality, all 368 yards Roller Towelling, brown linen, 18-inch width, red borders, all pure linen. Basement Sale, a

100 Dozen Dish Cloths. 3c and 4c Each

These are specially priced for this sale, two sizes ... 36 each, 35¢ dozen, and 4¢ each, 45¢ dozen

500 Irish Linen Table Cloths

Manufacturers' Seconus At About Half-Price

The finest lot of Table Linen Seconds and argest assortment of sizes and qualities we ever offered, and bought from one of the best makers of high-grade linens at the biggest discount we ever procured on such goods, enabling u to offer them at a small margin over half price.

You will find Bordered Cloths in every length from 11/2 yards up to 6 yards long, in great variety too numerous to give a list in detail, but we will give a few examples.

Bordered Table Cloths, 11/2x11/2 yards, \$1.85 quality. Sale price\$1.00 Bordered Table Cloths, 2x2 yards, \$3.50, \$4.00 and \$4.25. Sale prices.....\$1.75, \$2, \$2.25 Bordered Table Cloths, 2x21/2 yards, \$2.50 and \$4.00 quality. Sale prices..., \$1.25, \$2.00 Bordered Table Cloths, 2x3 yards, \$5.00 qual-

Bordered Table Cloths, 2x31/2 and 4 yards, \$6 and \$6.50 quality. Sale prices ... \$3.00, \$3.25 Bordered Table Cloths, 21/4x21/4 yards, \$and \$5.50 quality. Sale prices. \$2.25, \$2.75 Bordered Table Cloths, 21/2x21/2 yards, \$5.00 quality. Sale price.....\$2.50

Bordered Table Cloths, 21/2x6 yards, \$26.00 quality. Sale price\$14.00 Above are but a few of the sizes and prices to give you an idea of the completeness of this assortment. You will find almost every size made, in linens worth from \$1.25 up to \$4.00 a yard, all at about half price, many at exactly half.

Circular Pillow Cottons in Basement Sale

Special qualities in all widths, specially priced; 40, 42, 44, 46 and 48 inch, circular, at yard.....20¢, 22¢, 24¢, 26¢ and 28¢

3,800 Yards Bleached Cotton in Basement Sale

1,300 yards Bleached White Cambric, specially 1.128 vards Bleached Cotton, splendid round thread, for pillow slips, etc., Basement Sale, a yard 12½¢ 1,018 yards Bleached Cotton, specially under-A limited quantity Thoroughly Bleached Cotton, 368 vards Unbleached Cotton, excellent quality, free from specks, full 36-inch width. Special, yard... 563 yards Unbleached Cotton. Get your supply of

Sheetings in Basement Sale

200 yards Unbleached Sheeting, of extra quality, 2 260 yards 21/4-yard Unbleached Sheeting, specially under priced for this sale, at yard......25¢ 350 yards Thoroughly Bleached English Sheeting, underpriced for Basement Sale, at yard 25¢ 428 yards Bleached Sheeting, special Basement Sale, yard**29¢**

Wash Goods Mostly Under Half Price---Basement

Here is the greatest opportunity we ever offered at the beginning of the season. Prices such as are quoted here might be expected when clearing olds and ends at the end of the season. But our plan is to give you a bargain, if possible, when you need the goods, and not to hoard up goods that for some reason or another need to be lowered in price until the end of the season when you are supplied. Tomorrow in the basement you will find Mnslins, Cotton Voiles, Cotton Suitings, Cotton Foulards, Prints, etc., some nearly half, some half and some at a third the regular price. Hundreds of yards to be cleared quickly. Come early and get your summer supply of wash goods and save at least the half.

Up to 18c

About 400 yards Fancy Dress Muslins, in white grounds with spots, stripes and small figures; worth

Dress Muslins 10c Yard. Worth Up to 50c

Fancy Muslins and French Organdies, figured de signs in all colors, lengths from 3 to 20 yards, about 300 yards total.

Dress Muslins 5c, Worth | 15c "Hard-to-Beat" Prints Panama and Poplin Suitings 81/2c Yard, 12 Yards for \$1 19c, Worth Up to 35c Yard

A big assortment of odds and ends, mostly champagne grounds, with colored spots and stripes, to clear

Remnants French Cambric Half-Price

All short lengths from 2 to 5 yards, slightly soiled, best 25c quality French Cambric. Sale price...121/2¢

Cotton Voile 19c, Regular 35c 200 yards Striped Cotton Voile, handsome effects

in colors of mauve, pink, sky, champagne, Saxe and

French Foulards 19c, Regular 35c

100 yards light color ground Dress Foulards, with small figured designs, all 35c quality. Sale price, per

Plain colors on tan, mauve, purple, Saxe, cham-

Special line of Irish Dimity, in colors of sky,

pagne and black, 30 inches wide, regular 25c and 35c

mauve, pink, gray, cream and black. Sale price, per

Sale Begins Wednesday Morning in Basement.

APRIL SHOWERS: SEE SPECIAL UMBRELLAS; MEN'S AND WOMEN'S, \$1.00 EACH.

YOUR EASTER GLOVES-SEE OUR "SUZETTE" WHITE WASHABLE KID GLOVES, \$1.50 PAIR.

until after the funeral, and in var-

It on the other.

If the representatives of the miners receive an offer from the operators on April 10 the proposition will be sub
litted to the men.

If on the other.

J. W. MANVERS.

At all dealers, 25 and 50 cents, or the funeral, and in various way citizens showed their appresonance was large, and form the sterling qualities of the services most impressive.

The funeral of John Gaynor, form the funeral of John Gaynor, f

waive an demands it recognition is granted. Officials of the union believe that the struggle will settle itself down to a question of recognition, the men to a question of recognition and the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. to the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bonesteel & quiem high mass was sung by the Rev. To the popularity of the deceased, the undertaking rooms of Bone to a question of recognition, the men completely restored to health and is strongly advocating it on the one side strongly advocating it on the companies bitterly opposing and the companies bitterly opposing to the companies bitterly opposing the companies bitterly opposing the companies bitterly opposing the companies of basics of business of the life of Mr. Sacred Heart, who in closing spoke in completely restored to health and is drawn as a mark of esteem.

Sacred Heart, who in closing spoke in from the Ingersoil curling club, the tery. Rev. the strongly advocating it on the one side better today than he has been for years. You can't recommend Fig Pills which starts at 9 a.m., was postponed open book, read and known to all.

A union many places of business of the life of Mr. O'Neill, which he characterized as an open book, read and known to all.

A union meeting of the Young Peo ple's Societies of the Baptist

freshments, made the evening most