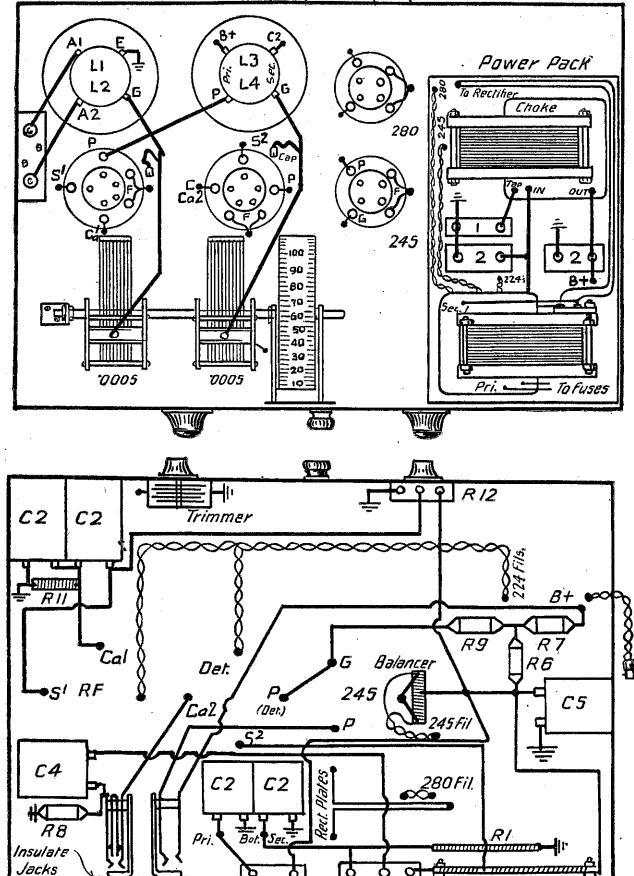
WW

## Picture Diagrams of the Loftin-Three

WW



RЗ

R4&5

### Loftin-Three

(Continued from page 15.)
a residual hum and this should be balanced out by adjusting the humbucking potentiometer indicated in the diagram.

### The Radio Side.

Now that the gramophone pick-up is working properly, try the tuner by rotating the condenser until the local station is brought in. Adjust the moving plates of the condensers until the signal is loudest and then, if there is not a great deal of difference between the settings, tune to another station and bring it to its loudest point by adjusting the balancing condenser. Then loosen the coupler and see if any alteration in the setting will make the signals louder. If it will the coils are not properly balanced and it may be necessary to remove a turn from the coil, the condenser of which requires to be moved outward to get the loudest signals.

If the set is prone to oscillation, remove some of the turns on the primary of the r.f. transformer for the greater the number of turns the greater the transfer of energy and the greater the liability to oscillation. If signals cannot be received, bring the aerial to the grid of the amplifier 224 when the local will be heard. This indicates a mistake in the wiring of the r.f. stage. Make sure the coils are connected the right way round.

## Programme Features

(Continued from page 17.)

ductorship of Mr. John Bishop, and can be relied upon to give a programme of merit and interest.

#### From Christchurch

THE Pipe Band of the Caledonian
Society of Christchurch has been
engaged for its St. Andrew's Day Concert. The band plays under Pipe-Major
Charles Gibson, and a rare treat will
be provided for lovers of Highland
music as expressed in stirring marches,
ballads and dances. Pipe soloists will
be Pipe-Major Robertson, Pipe-Major
McLeod and Piper Shanahan. Introduced into the programme will be a
recorded talk by the Rt. Hon. J. Ramsay MacDonald on "Robert Burns—a
Man Among Men." This concert will
be relayed to 4YA.

#### Formodenser as Gridleak

A Formodenser (compression type adjustable condenser) makes a good grid leak. It is connected in the circuit in the usual manner and can be simply adjusted to suit the varying needs of different wavebands to be received.—C.F. (Wellington).

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