## Stains and Finishes for Radio **Cabinets**

### Practical Notes from a Practical Writer

### Contributed by G.H. (Otahuhu).

In building radio cabinets suit- between and after them, and the work able for a fine finish, the grain is then ready for the "finish."

ALTONA & HAMMARLUND- Johns, Ltd. ROBERTS SETS. should be well laid. This is done FRENCH polish is undoubtedly the before the work is put together, by king of "finishes," but as this is rapidly wetting the surface of the only successful in the hands of an dressed timber. On drying, it will be observed that the surface has rough- applicable to the ordinary handy-man. ened, due to the raising of the grain. It is then smoothed down again by means of the scraper and No. 00 sandpaper. No. 1 sandpaper, finishing with No. 00, will do if the amateur cannot use the scraper properly. This operation may be repeated with advan-

#### Stains.

- a little drying oil, such as Japan oil or Terebine.
- burns the surface, and produces a papering lightly between coats.

  darker and more "mellow" effect than Should this finish be too dull f "oiled" Rimu.
- (c) Browns: Vandyke Crystals. About 20z. to 1 pint of water. This is well or will rise in a similar manner method. as milk. This stain produces a beautiful rich brown.
- (d) Japan black, diluted with genuine turpentine. This is a colder shade than "C."
- (e) Black: Nigrosine dissolved in methylated spirits. One ounce may be purchased, and is sufficient for most needs.
- (f) Rosewood: Naylor's Rosewood Crystals, dissolved in methylated spirits. One ounce may be purchased. is a speautiful rich rosewood, and unless the colour clashes with its environments, the writer considers this the best for wireless cabinets.

All these stains may be obtained from any oil and colourman, with the exception of F. This may be obtained from Messrs. Guthrie Bowron, Auckland and Wellington.

ing on the back of the woodwork.

THE stains should be applied with a

expert, I omit it in favour of methods

The secret of good varnishing is absolute cleanliness in the matter of pot, brush and varnish, keeping the CROSLEY RADIO RECEIVERS G. G. Macquarrie, Ltd., work dustproof until dry, and the use of plenty of No. 00 sandpaper between the coats (always rubbing with the CROSLEY RADIO ...... grain of each piece of timber).

For a rich high gloss, which will be (a) Raw linseed oil, together with apply three coats of the best "pale little drying oil, such as Japan oil carriage varnish" at intervals of not Terebine. less than four days, rubbing down (b) Bichromate of Potash (not perbetween each coat until every trace of manganate), about 1 to 20z, dissolved gloss disappears. For a dull finish, in a pint of boiling water. This stain use eggshell varnish, as above, sand-

Should this finish be too dull for the worker's taste, any degree of bril- KING RADIO RECEIVERS ... F. J. W. Fear & Co., liancy may be imparted by adding carriage varnish to the eggshell varbrought to the boil and allowed to hish, and some beautiful soft polish simmer for 15 to 30 minutes. Stir effects may be obtained by this nish, and some beautiful soft polish

In New Zealand, our cabinets are usually made of rimu, kauri, or oak, and their most suitable stains are: Rimu—Any of the above. Kauri—For C, D, E and F, and is the best timber for E and F. Oak—A, C, D and E. Generally speaking, oak should be finished in eggshell varnish with very little carriage varnish.

MANY attempts have been made to obviate the sombreness usually PILOT 1930 PARTS—PILOT Harrington's, N.Z., Ltd., associated with wireless panels. The and will probably be sufficient. This metal panels in shielded sets demand some treatment, and here is an opportunity to tread new paths with profit. The following colours were used with delightful effects on the panel of a rosewood polished console with black dials. First of all, the panel was painted a very pale green and "granited" with green, brown and white. To do this, the colours are The quantities in the above directions are only approximate; the little terebine. A little of the green desired intensity is obtained by test- (a deeper shade than the panel) is poured on a board or palette, a small CROSLEY RADIO cheap sponge with a flattened surface HE stains should be applied with a is worked in the colour and then brush and lightly wiped over with lightly but firmly daubed all over the a rag. This removes superflous pignanel, turning the sponge round a ment and brush marks, and exposes little each succeeding daub to avoid the grain of the timber. The colour a marked "pattern." The sponge is of the wet stain (with the exception cleaned out with turps or kerosene, of B) will give a good indication of the finished colour. If too light at this stage, apply another coat; if too deep wipe with a rag moistened with the solvent (water or spirits, as the case might be). When quite dry, apply two might be). When quite dry, apply two coats of knotting (3 or 40z shelles or colours recessors the colour spirits) and when the work is dry or nearly majestic ELECTRIC RADIO is the process is repeated with the brown, and then with the white. None of the colours should be too prominent.

MAJESTIC ELECTRIC RADIO is the colour spirits, as the case is the case of the colour spirits, as the case of knotting (3 or 40z shelles or colours recessors the colour spirits). coats of knotting (3 or 40z, shellac or colours necessary (the ground coldissolved in methylated spirits). These our may help). The colours should be two coats must be very thin, in order thin enough to be semi-transparent to "flow" evenly. Lightly sandpaper when daubed on the panel.

SETS

APPAI

# RADIO DIRECTORY

## What to Buy and Where

### **CITIES**

AERIAL MASTS ..... Domestic Radio Co., Ltd., 300 Queen Street, Auckland.

AMPLION LOUDSPEAKERS . All Radio Dealers.

**CROSLEY RADIO** 

DAYTON All-Electric Radio ... Superadio, Ltd.,

EMMCO RADIO PRODUCTS Johns, Ltd., EMMCO RADIO PRODUCTS Chancery St., Auckland. Thos. Ballinger & Co., Ltd.,

EMMCO RADIO PRODUCTS L. B. Scott, Ltd.,

LISSEN RADIO PARTS AND All Radio Dealers. KITS .....

LOUDSPEAKER AND TRANS- A. E. Strange, FORMER REPAIRS ..... 404 Worcester Street, Christchurch. MAJESTIC RADIO RECEIVERS Kirkcaldie & Stains,

MULLARD VALVES .....

PILOT 1930 PARTS AND Abel, Smeeton, Ltd., KITS, ETC. ..... 27-29 Customs Street East, Auckland.

SUPER WASP KITS, GILFIL- 138-140 Queen St., Auckland. LAN, KELLOGG and AT- 40-42 Willis St., Wellington. WATER KENT SETS .....

Expert Radiola Service.

RADIO REPAIRS AND SER- E. G. Shipley,

Chancery Street, Auckland.

BURGESS RADIO BATTERIES, All Radio Dealers.

Abel, Smeeton, Ltd., 27-29 Customs St. E. Auckland.

120 Willis Street, Wellington.

Abel, Smeeton, Ltd. Rep.: G. MOSES. James Street, hangarei.

147 Queen Street. Auckland.

Worcester St., Christchurch. 63 Willis Street. Wellington.

Chief Wellington Agents, Lambton Quay.

All Radio Dealers.

RADIOLA RECEIVERS and Farmers' Trading Co., Ltd., Hobson Street Auckland.

\* \* \* \* \* \* \* Christchurch.

### COUNTRY TOWNS

..... J. C. Davidson, Main Street. Pahiatua.

CROSLEY SETS ..... Abel, Smeeton, Ltd. Rep.: C. Ruscoe. 409 Devon Street, New Plymouth.

CROSLEY RADIO ..... D. A. Morrison & Co., Victoria Avenue. Wanganui.

MAJESTIC ELECTRIC RADIO Berryman's, The Home of Music, Palmerston North.

Radio House, Hamilton. AND RADIOLA ELECTRIC G. S. Anchor. Manager.

APPARATUS All Good Radio Dealers