

CARPENTRY

TABLE II—continued
HARDWOODS—continued

| STANDARD NAME. | BOTANICAL NAME. | SOURCE. | WEIGHT (lb. per cub. ft.). | CHARACTERISTICS. | USES. |
|--|---|--|----------------------------------|---|--|
| Birch, Canadian Yellow (American, Quebec, black, curly and yellow birch) | <i>Betula lutea</i> | South-East Canada, New- foundland, North-East U.S.A. | 44 | Light to dark reddish brown; straight grained with occasional curly grain; fine texture; tough, hard wearing but not durable when exposed. Japanese birch similar. | Plywood, flooring, furniture; aeroplane construction. |
| Blackwood, Australian | <i>Acacia melanoxylon</i> | Australia, Tasmania | 45 | Golden or reddish brown with darker streaks; straight and wavy grain (fiddle-back); even texture; strong, durable; polishes well. | High-class joinery, including panelling, cabinet work, veneers. |
| Cedar, Central American (British Honduras, Mexican, Nicaraguan, Trinidad, West Indian and cigar-box cedar) | <i>Cedrela mexicana</i> | Central America, West Indies | 30 | Closely related to true mahogany (<i>Swietenia</i> , see p. 21); light red; ring porous, large pores visible; growth rings and rays barely visible; straight grained, occasionally figured, but ripple marks usually absent; characteristic scent; easily worked, durable; readily stains and polishes well. | Panelling, furniture; best grades for similar purposes to Hon- duras mahogany; cigar boxes. |
| Chestnut, Sweet (Spanish chestnut) | <i>Castanea sativa</i> | Europe, including British Isles | 35 | Light brown heartwood, sapwood lighter; ring porous; resembling oak, but rays not visible and therefore silver grain figure of oak is absent; splits readily; subject to heartshake. | Fencing, gates, piles; figured timber for decorative work. |
| Chestnut, American | <i>Castanea dentata</i> | U.S.A. | 35 | Similar to, but coarser than, sweet chestnut. | Similar to sweet chestnut. |
| Ebony | <i>Diospyros ebenum</i> | Ceylon, India | 74 | Black, or black with brown stripes; growth rings and rays invisible; fine and even texture; very hard and durable; very difficult to work; polishes well. | Inlaying (to panelling, etc.), veneers, cabinet work, piano keys, etc. |
| Ebony, African | <i>D. crassiflora</i> | East Africa | 70 | | Weather-boarding, furniture, piles, flooring (white). |
| Ebony, Macassar | <i>D. macassar</i> | Celebes | 64 | <i>English</i> : reddish brown (<i>wych</i> , paler with green streaks); ring porous, large pores distinct; growth rings and rays distinct; irregular grain producing attractive wavy figure and coarse texture; tough; difficult to work; durable under water; <i>wych</i> is strongest; <i>white</i> is usually straight grained and not durable when exposed. | |
| Elm (English, Dutch, <i>wych</i> and white elm) | <i>Ulmus procera</i> (English) <i>U. hollandica</i> (Dutch) <i>U. glabra</i> (<i>wych</i>) <i>U. americana</i> (white) | British Isles Eastern Canada, Eastern U.S.A. | 35 35 43 39 | | |
| Eng (In) | <i>Dipterocarpus tuberculatus</i> | Burma | 55 | Dull greyish brown; fairly straight grained, sometimes interlocked; hard, strong, durable; not easy to work. | Carpentry, flooring, window sills. Cheap substitute for teak (p. 23). |
| Gaboon (okoumé, Ga- boon mahogany) | <i>Aucoumea klaineana</i> | Gabon, Spanish Guinea (West Africa) | 27 | Light pinkish brown (paler than true mahogany— <i>Swietenia</i>); diffuse porous, pores visible; growth rings indistinct, rays invisible; straight and inter- locked grain; not durable when exposed; easily worked; difficult to stain, but takes a good polish. | Veneers and plywood; cheap furniture, and as inferior sub- stitute for mahoganies. |
| Greenheart | <i>Ocotea rodiaei</i> | British Guiana, North Brazil | 65 | Olive green heartwood, pale yellow sapwood; straight grained; very strong, tough, durable and difficult to work; tendency to split; highly resistant to attack of sea-worms. | Heavy construction and marine work (as dock gates, piers, piles), stair treads, fishing rods, shafts of golf clubs. |
| Greywood, Indian Silver (white chuglam) | <i>Terminalia bialata</i> | Andaman Isles, India | 43 | Yellowish brown with irregular dark markings producing attractive marbled figure; straight grained; strong, tough, moderately durable; stains and polishes well. | Superior decorative work such as for panelling, furniture, interior fittings, veneers, ply- wood. |
| Guarea (black guarea) Guarea, Scented (white guarea) | <i>Guarea thompsonii</i> <i>G. cedrata</i> | West Africa | 40 38 | Related to true mahogany (<i>Swietenia</i>). <i>Guarea</i> : pinkish brown (not so dark as Honduras mahogany); diffuse porous, pores just visible; growth rings and rays invisible; straight and wavy grain with mottled figure, fine texture, easily worked; characteristic cedar-like scent. <i>Scented Guarea</i> : similar, but slightly darker; more scented and texture less fine. | Superior joinery, panelling, veneers, furniture. Substitute for mahoganies. |

NOTE.—Some timbers are also known by those names appearing within the brackets in the first column.