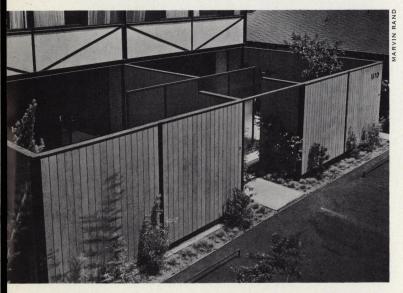
Redwood Fences

the most natural garden surroundings

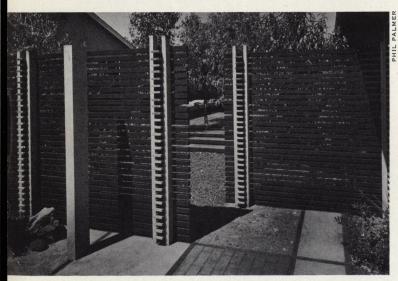




Curved redwood screen, besides enhancing driveway, helps turn an awkwardly shaped part of the lot into a private, usable sideyard. Robert Weaver, landscape architect.



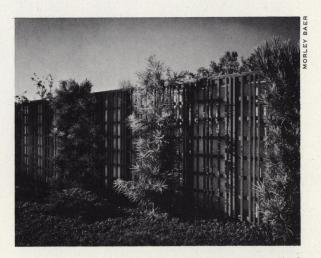
Redwood fencing creates handsome entry for garden apartments. Glass screens assure privacy without seeming to intrude into patio space. Craig Ellwood, architect.



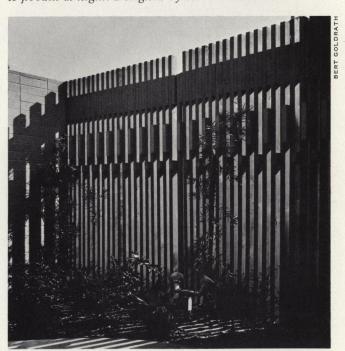
Section of redwood slat fence is set back to allow access to patio without loss of privacy. Fence members are painted in contrasting colors. John Vogley, landscape architect.

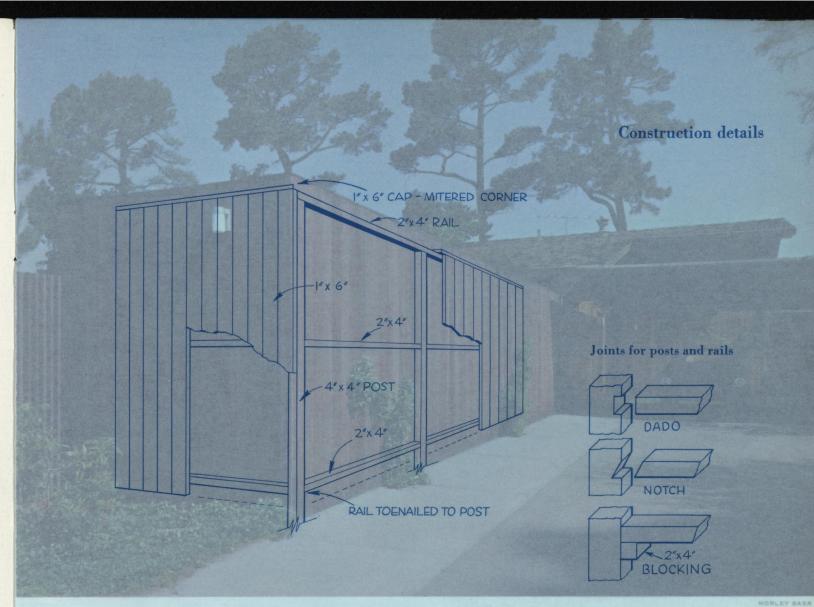
How to plan your fence

One of the most important jobs in building a fence can be done while you're seated at a desk or sipping coffee in the patio. This is the job of planning. First step is to list the things you want your fence to do. For example, a fence can admit sunlight and allow air to circulate or it can block them out. It can furnish varying degrees of privacy. A fence can protect your garden from the neighborhood wildlife and childlife, or it can keep your children and pets in the yard so you know where they are. You can use a fence as a space divider; to define an outdoor living area, or to screen a service yard. A fence can be a handsome backdrop for plantings, and help set just the right mood for the entire garden. Architecturally, a fence can be a picture frame for the home setting; or it can complement the house and make it look larger. Make sure the design fits your pocketbook and your carpentering abilities.



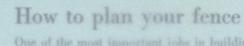
Opaque plastic panels (above) preserve open feeling of redwood latticework fence, yet contribute to complete privacy. In the redwood screen shown below, 1-inch redwood stock was used, except for posts and rails. The structure is floodlit at night. Designed by Robert W. Stevens.





Saw-textured redwood Jence (above) has been left to weather without any finish, ultimately will turn a driftwood gray. Details of the two fences illustrated on the page following appear on this tissue insert. Only the barest essentials of carpentry are needed to build garden tentral the board fence at the top of the page. Most intricate sawcut is the 45° miter joining the 1x6 cap at the Acorner poste Center and bottomorailseare buttedials. The lagainst the 4x4 posts and toe nailed in placeuse it Alternate methods for joining posts and rails are wood's shown in the smaller detail drawings at right center.

Details for the redwood and stained glass screen are at right. The 1x6 vertical boards are sawtextured tongue and groove redwood, Pattern #133, ment The tongues have been trimmed and the boards of positioned for the grooves to receive the stained the user glass panels and hold them securely in place redwood 1"x 6" fence can be left unfinished, to weatherbleach naturally on exposure to sun and rain. It can be treated with a water repellent, which eliminates the natural darkening process and stabilizes tan. Redwood can be l driftwood gray Any GROOVE paint. Both paints and redwood than GROOVE th and stained glass screen a sheet. Jay Moring was the an



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Architectural & X lene-can be a picture frame for the home setting; or it can complement the house and make its look larger. Make sure the design fits your

pocketbook and your carpentering asilting

4"x 4" POST

Curved redwood screen, besides enhancing driveway, hel turn an awkwardly shaped part of the lot into a priva usable sideyard. Robert Weaver, landscape architecture elist bus etsoq rol etniol.

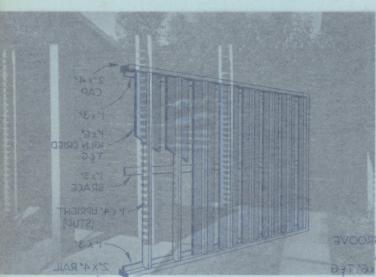
Construction details

TOENAILED TO POST

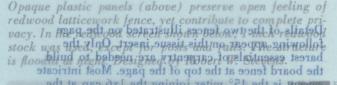
TOENAILED TO POST

BLOCKING

Redwood fencing creates handsome entry for garden apartments. Glass screens assure privacy without seeming to intrude into patio space. Craig Ellwood, architect.



Section of redwood slat fence is set back to allow GENINGT patio without loss of privacy. Fence members are painted in contrasting colors. John Vogley, landscape architect.



corner post. Center and bottom rails are butted against the 1x4 posts and toe-nailed in place.

Alternate methods for joining posts and rails are shown in the smaller detail drawings at right center.

Details for the redwood and stained glass screen are at right. The 1x6 vertical boards are saw textured tongue and groove redwood. Pattern #133

The tongrees have been trimmed and the boards positioned for the grooves to receive the stained glass panels and hold them securely in place.

GROOVE



d gray.

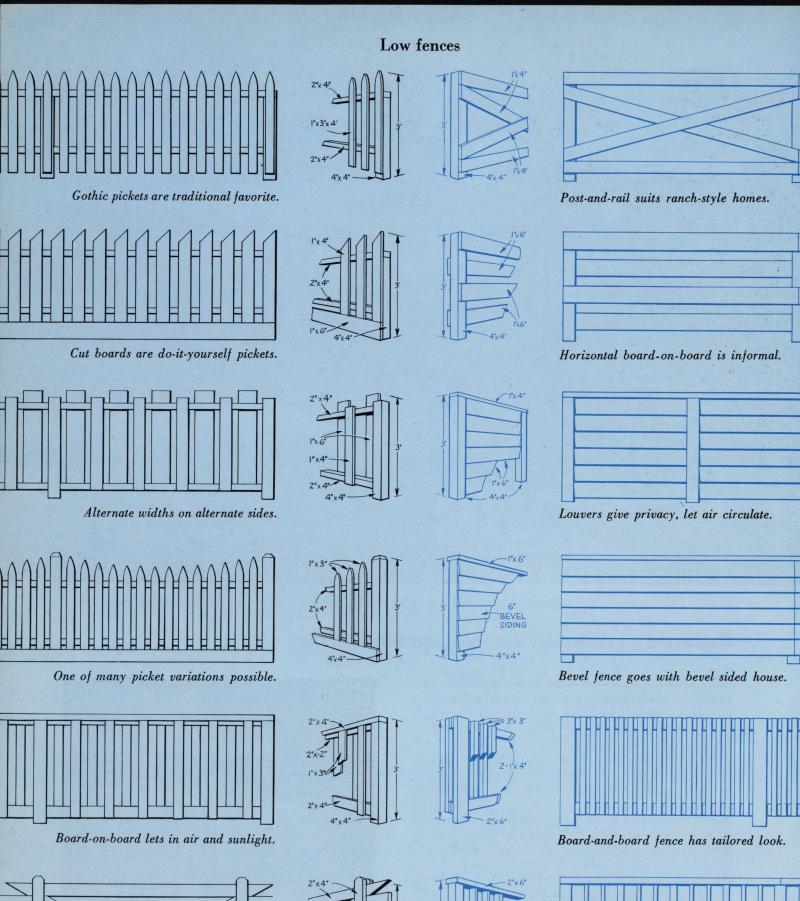
Saw-textured redwood fence (above) has been left to weather without any finish, ultimately will turn a driftwood gray.

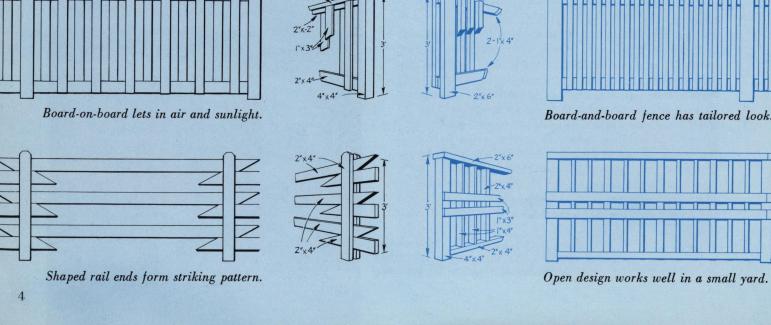
Redwood...naturally the best garden fencing

A good fence design deserves good fence materials. The best fences are built of garden redwood because it combines economy, durability and versatility. Redwood's heartwood lumber is extremely resistant to decay and termites, even when used in close proximity to the ground. This is a natural resistance—no further treatment of the wood is necessary. Redwood's combination of durability, and handsome grain and texture, gives the user a wide selection of finishes to choose from. A redwood fence can be left unfinished, to weatherbleach naturally on exposure to sun and rain. It can be treated with a water repellent, which eliminates the natural darkening process and stabilizes redwood's color at a soft, buckskin tan. Redwood can be bleached chemically to a weathered, driftwood gray. Any number of colors and color combination can be achieved with pigmented stains or paint. Both paints and stains last longer on redwood than on any other wood.

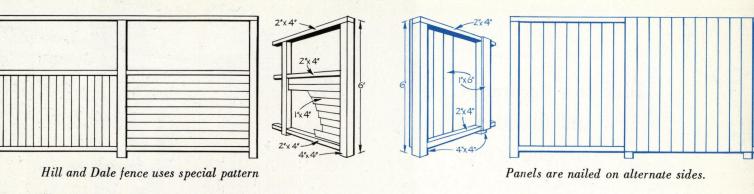
Construction details for this redwood and stained glass screen are on the tissue sheet. Jay Moring was the architect.

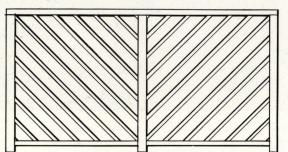


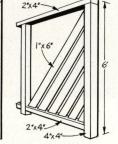


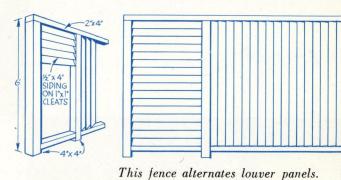


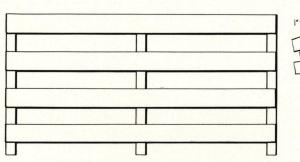
High fences



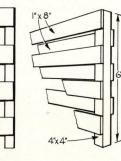


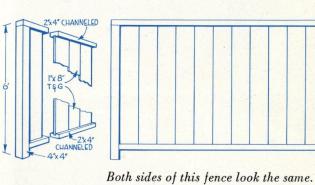


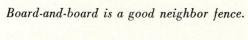


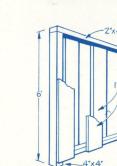


Spacing emphasizes herringbone pattern.



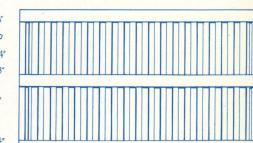






Basketweave produces bold shadow patterns.

Another board-and-board variation.



Angle of louvers sets degree of privacy.

Ideas for decorative and functional redwood fences



Doubled 2x6's and 2x4's form posts to support overhead beams and slat screens enclosing redwood deck. Beams are finished with pigmented stain. University of California Landscape Design Club.



Curved redwood screen is made up of a series of straight sections tangential to an arc. The bench is formed by curved redwood 2x4's on edge. Royston, Hanamoto & Mayes.

separates an outdoor living area from a service vard can also be used for concealed storage. The screen is built in narrow sections in a shadow box design. One section is hinged to provide patio-side access to a storage cabinet which extends into the service yard. The cabinet can be used to store barbeque equipment, children's toys, outdoor furniture or gardening tools. Access to the cabinet from the service area side would make it even more useful. Complete construction drawings are on the

tissue insert which overlays this page.



self) redwood lumber and discrimines. Natural chemicals in the religion-brown hearty god protect the lumber from his parts. "A x "A wood is not durable, and should not be used in these pros Construction details TAINITY to the propriet Both heartwood and sapwood lumber is available in grades free of knots and other defects. These characteristics are permitted in the more economical grades, however. Not all fences are economy / ructures top grades of redwood, and the extra fine per of kiln dried lumber. Rewood kiln dried to accepted crafted will be readed Certified Kilm Dried. The CRA trademark This appears on redwood produced by member mills of the California Redwood Association. Lumber sizes: Most fences are built of 4x4 posts, 2x4 Rough sawn redwood was used for the louvered fence stringers or rails, and 1x8 or 1x10 boards. shown above. Fence sections are stepped down because of the downhill site. Theodore Boutmy was the architect. In Posts should be heavier than 4x4 (for example, 4x6 (x6) for fences over six feet in height; for unusually the fence shown below, carriage bolts are used to fasten heavy fences, are for structures exposed to strong winds.
Always use an all heartwood grade of redwood.

Rails may require 2x5 lumber for heavier structures. the posts to steel braces set in concrete. Use all-heart redwood for lower rails. Boards for most fences are one-inch stock, which comes in 4, 6, 8, 10 and 12 inch widths. The 8 and 10 inch widths are preferred because they are readily available and easy to nail. Gothic pickets are available in dressed widths of 34, 21/2 and 31/2 inches. Sustant texture: Redwood lumber is smooth-surfaced nless FactriSawn (saw-testured) lumber is specified. surfaced humber compleasings reduced's grain and color. more work to finish, lost penetration finishes last up to twice as long as on successful and Construction Information Sesting signed Your fence won't be straight unless Insert. Simplest method, if earth or gravel around the

post bases as 27200 4x at igned word are ne care is advised for this and the transfer of selling with the spine and the 1'x8' & 1'x4' FENCE lios ant posts. Use of SOUTH CARTS to the stone preventing of the fence of the fence to the stone preventing of the fence of the fe winds. If concrete is used, wake save it forms a collar around the post, rather than a fall small which would tend -2"x4" CLEAT 21x4 STRINGER 311 x8 ROOF BOARDS 21/2 feet for six fences; 31/2 feet for eight feet fences Fastenings halls of other hardware should be aluminas numerical land galvanized. Other family manys, such as plain should not be used. These will core the withdrawal resistance; and may cause upside Fence heights: Short fences generally are 3 or 31/2 feetx's tall: high fences 5 of 6 left The conforming to radition to more readily available at standard words.

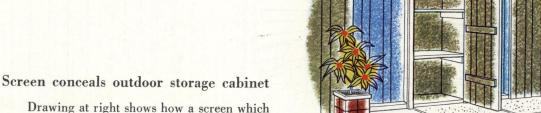
Width of panels: Lumber availability, cost and appoured

ance digtate the will have nonsultanessions of fence. The pan between posts usually as of neet. Longer spans, for the sake of appearance and strictural strength, require heavier posts and heavier rails short spans of 5 or 6 feet require Bluode posts hut may the becessary for appearance

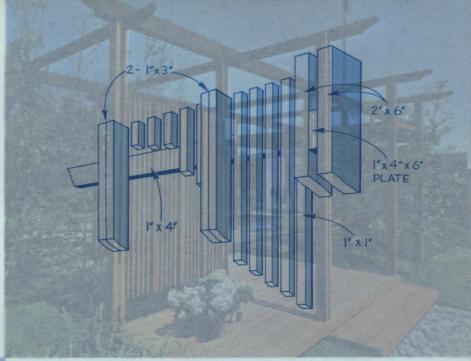
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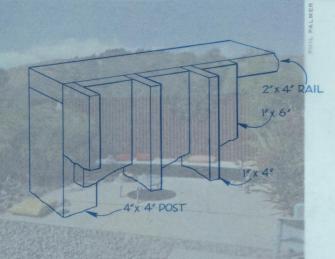
ton soot, it had be hull brownwohaws that apply me sone and to still portain the properties of the sold properties you can build the fence just inside your own property.

Gates: Structurally, a gate is a square or rectangular frame, with a diagonal brace running from the top of the frame on the hinged side down to the bottom corner opposite. Hardware should be sturdy and corrosion resistant. Gate posts should be 4x6's or 6x6's, and firmly planted. Make sure the gate is at least 3 feet wide.



Ideas for decorative Construction details redwood fences

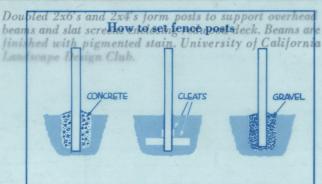


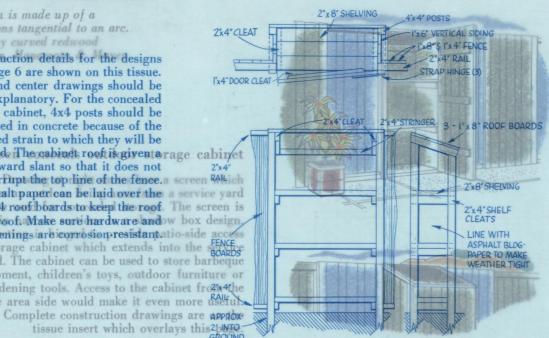


Curved redwood screen is made up of a series of straight sections tangential to an arc. The bench is formed by curved redwood

2x4 s on edge. Construction details for the designs on page 6 are shown on this tissue. Top and center drawings should be self-explanatory. For the concealed storage cabinet, 4x4 posts should be anchored in concrete because of the added strain to which they will be subjected The cabinet rooft is given a rage cabinet

downward slant so that it does not interrupt the top line of the fence.a screen RAILich sepAsphaltpaper can be laid over the a service yard can alsd x4 roof boards to keep the roof. The screen is weather proof. Make sure hardware andow box design, Onfastenings are icorrosion resistant atio-side access to a storage cabinet which extends into the SOARDS yard. The cabinet can be used to store barbeque equipment, children's toys, outdoor furniture or gardening tools. Access to the cabinet from 4the service area side would make it even more useful.





How to specify redwood lumber

Use only all-heartwood redwood for posts and rails and other fence members likely to be subjected to attack by decay or termites. Natural chemicals in the reddishbrown heartwood protect the lumber from these hazards.

Sapwood grades of redwood may contain contrasting streaks of cream-colored growthwood. Redwood's growthwood is not durable, and should not be used in close proximity to the ground.

Both heartwood and sapwood lumber is available in grades free of knots and other defects. These characteristics are permitted in the more economical grades, however.

Not all fences are economy structures. Some deserve top grades of redwood, and the extra fine performance of kiln dried lumber. Redwood kiln dried to accepted standards will be marked "Certified Kiln Dried." The CRA trademark is an additional assurance of quality. This appears only on redwood produced by member mills of the California Redwood Association.

Lumber sizes: Most fences are built of 4x4 posts, 2x4 stringers or rails, and 1x8 or 1x10 boards.

Posts should be heavier than 4x4 (for example, 4x6 or 6x6) for fences over six feet in height; for unusually heavy fences, or for structures exposed to strong winds. Always use an all heartwood grade of redwood.

Rails may require 2x6 lumber for heavier structures. Use all-heart redwood for lower rails.

Boards for most fences are one-inch stock, which comes in 4, 6, 8, 10 and 12-inch widths. The 8 and 10-inch widths are preferred because they are readily available and easy to nail. Gothic pickets are available in dressed widths of $1\frac{3}{4}$, $2\frac{1}{2}$ and $3\frac{1}{2}$ inches.

Surface texture: Redwood lumber is smooth-surfaced unless FactriSawn® (saw-textured) lumber is specified. surfaced lumber emphasizes redwood's grain and color. FactriSawn redwood weathers exceptionally well. It takes more work to finish, but penetrating finishes last up to twice as long as on surfaced wood.

Construction Information

Setting posts: Your fence won't be straight unless post holes are correctly aligned, so extreme care is advised for this stage of the project. Three ways of setting posts are illustrated on the tissue insert. Simplest method, if the soil is stable, is to tamp earth or gravel around the posts. Use a concrete collar or anchor cleats for a heavy fence, or if the fence must withstand strong prevailing winds. If concrete is used, make sure it forms a collar around the post, rather than a full shell which would tend to hold water and promote decay.

In specifying lengths, keep in mind that posts should be sunk about two feet for fences five feet tall or less; 2½ feet for six-foot fences; 3½ feet for eight-foot fences.

Fastenings: Nails or other hardware should be aluminum, stainless or hot-dipped galvanized. Other fastenings, such as plain iron and steel, should not be used. These will corrode and lose their withdrawal resistance; and may cause unsightly stains.

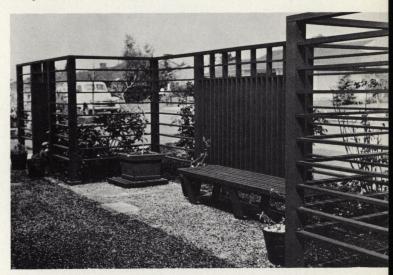
Miscellany

Fence heights: Short fences generally are 3 or 31/2 feet tall: high fences 5 or 6 feet. There is good reason for conforming to tradition. Lumber is more economical and more readily available at standard heights (and widths).

Width of panels: Lumber availability, cost and appear-



Rough sawn redwood was used for the louvered fence shown above. Fence sections are stepped down because of the downhill site. Theodore Boutmy was the architect. In the fence shown below, carriage bolts are used to fasten the posts to steel braces set in concrete.



ance dictate the width of individual sections of fence. The span between posts usually is 8 or 10 feet. Longer spans, for the sake of appearance and structural strength, require heavier posts and heavier rails. Short spans of 5 or 6 feet require more posts, but may be necessary for appearance or support with some designs.

Legal aspects: Local and state laws and building codes impose restrictions on fences in many parts of the country. To be on the safe side, check the laws that apply in your area. This is particularly important if the fence encloses a pool or other so-called "attractive nuisance."

Check with your neighbor if you are planning to erect a fence on a property line. If you can agree on a design, you can probably get him to share the cost and work of building and maintaining the structure. If you can't agree, you can build the fence just inside your own property.

Gates: Structurally, a gate is a square or rectangular frame, with a diagonal brace running from the top of the frame on the hinged side down to the bottom corner opposite. Hardware should be sturdy and corrosion resistant. Gate posts should be 4x6's or 6x6's, and firmly planted. Make sure the gate is at least 3 feet wide.



Versatility of redwood is shown in the fence above, designed by Olmstead Brothers, Landscape Architects. Opaque panels set in redwood framework carry out Oriental theme of residence and garden.



California Redwood Association • 617 Montgomery Street, San Francisco 11, California