## THE HOUSES WE LIVE IN.

PRACTICAL SUGGESTIONS ABOUT ARCHITECTURE AND BUILDING

What an Anthority has to Say About Methods of Laying Floors-Advantage of Sound-Boarding and Pugging-A Reflection on the Doings of Some Architects.

Reflection on the Doings of Some Architects.

There are many methods of laying floors but the avera ge builder is content with the old-fashioned plan. He does not take into consideration the manifest advantages of sound-boarding and pugging, the expense of which is trilling compared with the advantages it secures. The coarse stuff or chopped-straw mortar used is cheap enough, the principal lator being the fillets nailed to the joists and the rough boarding which rest upon them to receive the pugging. The advantages of using silicate cotton as a non-conductor of heat and sound, great as they are, have not as yet been considered important enough to induce builders to employ it. It is the cost that hinders them. Architects are to blame for not specifying the material whenever they have an opportunity. In houses built in rows where the walls adjoin and the joists are all but continuous, the absolute value of non-conducting material is very obvious. What is required in houses built in rows where the walls adjoin and the joists are all the continuous, the absolute value of non-conducting material is very obvious. What is required in houses built in rows is a layer of slagwood between the flooring and the party-wall on each side, so that the transmission of sound or vibration may be checked or deadened. The joists of every floorought to rest on sheets of this material. wall on each side, so that the transmission of sound or vibration may be checked or deadened. The joists of every floor ought to rest on sheets of this material. As houses are built now the floors of adjoining rooms generally are in contact with the wall, and there is no air space between; often the joists run across and rest on the party-walls—a very objectionable form of construction, as teen the sound can easily travel through the joists. It would be better to allow the joists to rest on girders of iron supported on the side walls.

The jointing of floors is another matter which at present does not appear to through the profession; the plain buttiside joint is preferred because it is the cheapest; the rebated and fille ted joint, or the ploughed and tongued joint, are quite exceptional, and are used only in the very best houses. There are many jnexpensive and useful joints that would avoid the defects of shrinkage of boards. The boards can be rebated, by which one overlaps the other, and if the boards shrink, there is not an undesirable open joint which gets filled up with decaying matter. Another plan is to rebate the

avoid the defects of shrinkage of boards. The boards can be rebated, by which one overlaps the other, and if the boards shrink, there is not an undesirable open joint which gets illed up with decaying matter. Another plan is to rebate the botton edge of the board, and to insert therein a slip of wood. This is the restanted and filleted joint. The fillet stops the aperture, though it leaves the upper part of the joint open. The grooved and a named joint, where a tongue fits into a corresponding groove in the adjoining age, is another well-known joint. The robated grooved and tongued meth d is a more perfect but costly plan. A good and effective joint is made by making a mariox groove along the edge of each head and insertinghoop-fron, technically known as a "ploughed and tongued" joint. Other joints to conceat the nailing, in which a kind of rebate is formed, and one edge of board is screwed to the joist, are well known. The advantages are that dust and dirt cannot pass through the floor, and a cleaner and note sanitary floor is the res...—Carpenter and Joine.

A Pretty House for \$3,000.

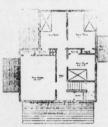
A Pretty House for \$3,000.

The cottage shown here is one of the most modern types to be seen in neighborhood of large cities. It has, in the vicinity of New York, been built for \$3,000 including the cost of a lot 40 by 100, which, by itself, would sell for \$300 or \$400.



The first cut shows that the style of the building is well adapted to country use in general. Whether for village, suburban or farm use it would, in most cases, be satisfactory.





THE CHAMBER FLOOR.

Closets, pride of the housekeeper's heart, are found in abundance on the second floor and the chambers are all of a size to be adapted to other uses than sleeping apartments if necessary.

Filling for Nail Houses.

The following method of filling up nail holes in wood is not only simple, but said to be effectual: Take fine sawdust and mix into a thick paste with glue, pound it into the hole, and when dry it will make the wood as good as new.

## OUR YOUNG FOLKS.

IN THE PARK.

In the sweet summer we are for the park together lide!

And I, the very first thing, w swallows upon the While Billee, at the s Spied a banana cart. Bonano! bonano!

Yow sun-flecks glanced between

Bright water ripples broke, Swans swam with gliding stroke, A counter—"Here, perhaps, We'll find some ginger-snaps, Give me ten cents."

A wandering, spice, breeze Fluttered the leaf-hung tre "Say, up there in the sha A men has lemonade And caramels!"

"Come here, and sit by me, You're so uneasy. See That little gray squirrel climb!" "Isn't it—dinner time?"

-Clara Doty Bates in Youth's Companion. HOW TO MAKE MAGNETS.

There are two general classes of mag-ets-electro-magnets and permanent magnets.



sllows:
Procure from a blacksmith or any con-enient source, a small, soft iron horse-Procure from a blacksmith or any convenient source, a small, soft iron horse-shee. Commencing just above the heel off k on one side, wind closely three or five layers, of two inches length, of No. 22 insulated copper wire. Without cutting the wire, proceed spirally along the toe of the since, and then wind the same number of similar layers on the other end.

Afl the windings must be in the same

end.

All the windings must be in the same direction in reference to the iron. If, now, the ends of the wire be connected with an electric battery, quite large pieces of soft iron, for instance, large nails or spikes, will be held up by the two heel-corks, which act as pole pieces. As soon as the battery is disconnected, the spike will fail. This, however, would not be the case if the horseshoe was made of steel, for it would then, because of the passage of the electric current, have become a permanent magnet. To pass an electric current around a piece of steel is indeed the easiest way of making a permanent magnet.

To try it, wind several layers of thesame wire used on the horseshoe around a lead pencil. Then carefully remove the lead-pencil, and insert in the hollow coll left a common darning needle, the head of which has been broken off, leaving about an inch of length.

ing about an inch of length.

Pass the current from the battery through the coil for a minute, disconnection. and remove the needle, and it will be found to be magnetized. If it be drawn through iron filings or small tacks, they will adhere to it.—Youth's Companion

## POLLY'S PICK . C.

Polly was having a picnic all by herself one day, out on the lawn under the big

one day, out on the lawn under the big maple tree.

She had carried out her table and chair, and her two dolls sat by her side in chairs of their own.

On the table was a nice red apple and two cookies and ome "pop-corn." The popped corn was for the dolls, because, with a little help, they could really be made to hold it in their hands.

Rover was stretched out on the grass, sound asleep. He was to have one of the cookies.

sound asleep. He was to have one of the cookies.

"I forget what they do first at picnies," said Polly to herself. "I don't think they begin by eating things.

While she was thinking about it, a loaded wagon passed by, and as it came to the hill near he house, too horse stopped and would not go ou.

Perhaps he had been traveling a long distance and wanted to rest, or perhaps he did not like to draw a neary load ap hill.

The man who was driving him began to beat and scold him, but still he would not move. Then the man beat and kicked him the harder, and Rover awoke from his map and ourked furiously; but yet an horse stood still.

In a moment rolly had a bright the sale. She caught up the red apple, and ran out at the gate followed closely by Rover, and she said to the man offices don't whip him any more. I can make him go."

make him go."
Then she went before the horse, and held out the apple toward him, and he instantly forgot all his other pane, and, thanking only of getting the apple for

Johande Suggests a Topic. Little Johanne approached his mother as she was laving, away a pan of fresh-made doughates. "Mo her, I say, mother!" "What is It my son?"

made doughness.

"Mo her, I say, mother!"

"What is it, my son?"

"Why don't you talk some, mother?"

"What do you want me to say,
Johnnie?"

"Well, you might say, Johnnie, don't
you want a doughnut?" — Philadelphia
Press.

Disadvantages of Christianity, Disadvantages of Christianity.
Auntie—I suppose you are a good little Christian boy, Bobby, of course?
Bobby, (dubiously—Well, I don't know.
Willie Waifles is a Christian boy and I
wouldn't sike to be like him.
Auntie—What's the matter with Willie?

Bobby—Every boy half his age in school can lick him.—Life.

## THE FANCIES OF FASHION.

SUMMER RESORT TEMPLES TO THE CAPRICIOUS GODDESS.

A Complete Revolution in Taste With Regard to the Bathing Suit-To Start With it is Seldom Used for Bathing. How They Manage it at Foreign Bathing Resorts.

With it is Seldom Used for Bathing. How They Manage it at Foreign Bathing Resorts.

The steadily capricious goddess deserts the cities for the present. Whoever wishes to study the styles of the summer must hie away to the seashore or the mountains, the summer resorts, or across the water to Europe. The seaside resorts attract the largest number this mount. In August all who can will be in the mountains, at Saratoga, in the Adirondacks, the White Mountains, among the lakes, or in the land of the sky, for there is a fashion of where to go for each month in the year.

A complete revolution in taste with regard to the bathing suit is observed on all the fashionable beaches this summer. In the first place, beauty does not frequently bathe, but for all that she wears at certain hours of the day a bathing suit. This suit is made as neat and natty as a tailor gown. It is not usually trimmed, but finished in tailor style like a riding habit. That is to say it is stitched and pressed, and has weited seams and fits more or less closely to the fleure; but the wast is still a blouse, but not so loose and baggy as formerly. It is not used to do a full kilt-pleated skirt that fails to the garter line below the knee. Bork blue or dark greenish-blue flauneing is the preferred material for such sails; but gray, brown, red and other colors are occasionally seen on the beach. The stockings are of heavy ribknited wool, to match the blue, green or gray of the suit, or they are black. The bathing shoes are sandals of straw, or envas slippers with perforated metain or publied straw soles. The weavers of such suits, when they intend to bathe, includent parts with perforated metain or publied straw soles. The weavers of such suits, when they intend to bathe, includent parts with perforated metain or publied straw soles. The weavers of such suits, when they intend to bathe, includent parts with perforated metain or publied straw soles. The weavers of such suits, when they intend to bathe, includent parts with perforated metain or publied and straw soles. The wearers of the distribution of the distributi is rough straw bathing hat that has en the disguise of beauty on the beach out time immemorial. The girl on the out the picture wears such a bathing



When she does not bathe she a gay India silk handkerchief ears a gay India silk handkerenter

Creole.

ov, there are some girls so ignorant too. I form as to wear on the beach as short as those worn by the other girls in the picture. They are ty and fashionable tathing costumes to electropean beaches where bathenis and bath cleaks and bath attention or woman accommant the on those European beaches where bathating chairs and bath clouks and bath atter a ta, men or women, accompany the bancer into the water. They are excesses pretty and picturesque, but they and the modified, made longer in the shirt or suit the tastes of American women. But if any girl is fired with the arbition to wear a real fashionable that we desse, such as fashionable and these french. English, and Russian women are at Dieppe and other fashionable in a large of the same women as a bigger of the same states and the fashionable and the same according to the fashionable and the same and the fashionable and the same and the fashionable and the same and the fashionable and the same after those given above (they are from the "Seasons"), and then she rause have an attendant bather to walk with her over the same and into the water, to remove from the same and modesty demand she must warr buttished is kneed deep or waist deep by the waves. White, red, blue, and green bathing suits in fancy styles are seen on European beaches, and also bright red and blue, or red and black raped ones, at these are not displayed for e, even at Narragan-ett Fier or on the Concy Island beaches. As for Newraped ones, at these are not displayed nere, even at Narragan-ett Pier or on the Concy Island beaches. As for Newport, ladies no longer bathe there, and they are rarely seen in the waves at Long Branch, or at lengthese is no such more as there was fifteen, as even ten vents at the wave as there was fifteen, as even ten vents and

years ago.

In the colors of seaside tollets there is a return of layor this summer to bright red. Let's that worker on he seen with even not send this special that in their city tollets wear entire one see of red. red. The is that would not be seen with ever a car of this space and tint in their city tealers were entire one sets of red cases to. The red property of a person who was more accustomed to for a case the probe of a person who was more accustomed to for a case the season are probe of a person who was more accustomed to for a case of the season are probe of a person who was more accustomed to for a case of the season are probe of a person who was more accustomed to for a case of the season are competed and steadled remains the same sit of also worn on the beautiful for the season and the season are competed as the season are the season are competed as a season are competed as the season are competed as a season are competed as the seaso

The PIRST FLOOR.

The practical housekeeper will commend the arrangemen. of the first floor as shown by the illustration. All the annoyances of more pretentious dwellings with dining room and kitchen in the basement are overcome and the heavier work of the house may be done without the constant running up and down stairs nece sary with many.

The bay window of the p.t. it and the roomy back veranda, as well as that in front, will find admirers

But the name sad to tell, did not thank Polly to boing so kind and brave, but only se one angry that a little of the house may be done without the constant running up and down stairs nece sary with many.

The bay window of the p.t. it and the roomy back veranda, as well as that in front, will find admirers

The apple was a little thing, and Polly was a bittle thing, but together they did a good deed.

Solumle suggests a Topic.

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Solumle suggests a Topic. stitled or of smoked stream and a color preserved. The hat is of fluctures, softest felt, and has each side or or to the gown. Its bare so and looks are of sor, right, fancy the in striped, barred, browne or plant or short, it is worn well up-titled forward, showing the curls tied in a knot in the maps of the neck and the high knot above, just under the brint of the hat.

## FASKION BREVITIES.

Accordion-plaited skirts are in high favor in Pares, so their lease of life is likely to be extended here.

Crepe de chine is the prettiest fabric in use that can be worn on dress occasions during the period of mourning.

The prettiest white dresses of the season are made of China silk and silk mull, the mult being used for the sleeves.

"La Surprise de la Course" is the name given to a ress which was in high favor at the linghest races. At first view it appears—me what like a plain redingote, but when thrown open in front displays a petticoat and waistcoat of great rienness.

## WITCH DOCTORS' VICTIMS.

Strange Fancies Increasing Among the Negroes of Tennesse

Mary Harper, a Chattanooga negro woman, died recently of fright caused by witchcraft, although the physician's certificate states that she died of nervous exhaustion. The facts as related by one of her neighbors, with whom she was very intimate, are told, as follows in the St. Louis "Globe Democrat":

The deceased and a woman named Watson were rivals for the hand of a negro man named Thompson, who seemed first to prefer one and then the other, being exceedingly variable in his moods. Several quarrels took place between the women; none, however, with serious consequences. Some few weeks ago the Watson woman told the Harper woman that if she did not leave Thompson alone she would "fix" her, by which it was meant that she was going to resort to witcheraft. This weighed heavily on the woman's mind, and within two or three days she became too weak to work, and was confined to her bed.

The sheets were found to be pinned together with a rusty needle, and after this discovery the woman grew more feeble every day and died as stated. The physician was unable to find any disease, and the presumption is therefore irresistible that she died from the effects of sheer fright.

Witcheraft among the negroes is on

hat she died from the effects of sheer right.
Witchcraft among the negroes is on the increase in Tennessee, and a number f notable instances have occurred rithin the past few months. The case f Claib Franklin has become a noted ne. Afflicted with heartburn, stomach roubles, with icy feeling in the back, he ought relief from a regular witch doep, going about the streets with a small rooked stick, with which it is supposed the man with a horn, then emptied the orn, which contained live frogs and ags which she said came from the hear's side. He then became better and the operation has been repeated several innes until now he is in a dangerous contion from exhaustion and loss of lood.

A short time ago Mary Christian was

dition from exhaustion and loss of blood.

A short time ago Mary Christian was "conjured" by a rival, who placed a bail of red flannel and sticks tied with a white string, to the other end of which was a toad, under the woman's doorstep. This se worked upon her mind that she at once began barking like a dog and it was not expected that she would live. She has now recovered physically, but is insane and is regarded as incurable.

A rare case of epilepsy, in which the woman wandered away from her tione and remained two days without the slightest recollection of where she was is gegarded by the negroes as an in-

slightest recollection of where she was is regarded by the negroes as an instance of witchcraft.

A man named Gardner poisoned his wife with love powders given to him by a witch doct. who prescribed them for the purpose of winning back the wife's affections, she being estranged from her husband.

There are several well-known witch doctors in Chattanooga, and the belief in charms and potions is becoming more general every day, and unler stopped in some way, will soon rival the early days of New England.

### Belgium's Hatless Monarch.

Belgium's Hatless Monarch.

Leopold, king of the Belgians, is a sworn foe of tobacec and an ardent supporter of the Belgian Anti-tobacco league. He is, as well, a man of "simple and severe way of life." He rises early, breakfasts sparingly, and—a rare thing on the continent—takes his morning tub with all an Englishman's fervor. Itis wide sympathies embrace vegetarianism in their scope, and his most notable passion, perhaps, is for going about without a hat.

Whenever the weather is suitable,

ble passion, perhaps, is for going about without a hat.
Whenever the weather is suitable, King Leopold goes abroad in his garden as hatless as Adam, exulting in his freedom from the conventionality of a headpiece. He has some strange craze about the wind's action on the brain, and he puts his craze in practice whenever possible. In fact, eccentricity of the intelligent kind marked him for her own.
He is a linguist of rare acquisitions and is always deep in the study of some new language or other. Music is one of his aversions, but the sister art of painting find in hims an appreciative and enthusiastic amateur. His face is strong and intelligent, without being handsome and a beard of appropriately regal length sweeps his chest.—London Court Journal.

Citizen Carnegie.

It will or should be remembered that Citizen Carnegie is a person of Scotch origin, believed to have passed across the western billow because his free and independent soul refused to let his manly form enjoy itself on the same island with a queen and royal family. Beyond the billow he "struck ile," figuratively or actually, and became, and is believed still to be exceedingly rich. He devotes a part of his immense resources to frequent sojourns in England, where his name constantly, like Mr. Crummles', somehow or other gets into the papers.

He professes extremely radical opinions, and has written, with the assistance of a person who was more accustomed to that sort of thing than he is himself, a book proving how much more free, independent and self-satisfied a person may expect to be in a large continent than in a middle-sized Island.

The inference seems to be that there is something demoralizing in the neighborhood of the sea. Heaven knows what Mr. Swinburne would say to such a the-

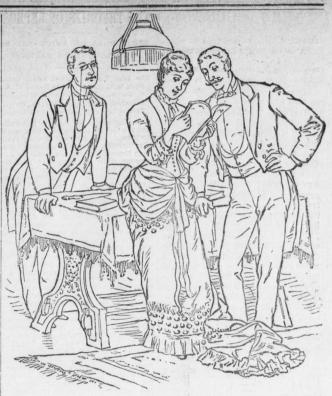
Guilds in Servia.

A curious survival of the middle ages in Servia is the institution of "Esnafs," or guilds. According to the latest British consular report from that country, these Esnafs are guilds of the various trades which regulate the condition of apprentices and the privileges of master workmen. They are independent of state support, and are maintained by employes and workmen of the different trades for the purpose of mutual support in labor and sickness. Monthly contributions are paid to the guild by the members, and the funds collected are managed by an unpaid committee, elected at a general meeting.

Foreigners are allowed to join these guilds, and the law emables them to prevent workmen who have not been enrolled from exercising their calling.

Indians in Canada.

The total number of Indians in the Dominion of Canada is given as 124,589, of whom 37,944 are in British Columbia, 26,368 in Manitoba and the Northwestern territory, 17,700 in Oncario, 12,465 in Quebec, 8,000 in Athebraska, 7,000 in the Mackenzie district, 4,701 in Eastern Rupert's Land, 4,000 or acceptic coasts, 2,245 in New Scotland of in the Peace river district, 1,505 in Furnaswick, 1,000 in the interior of Librador, and 319 in Prince Edward's Island.



### TAKE THE HINT.

Whene'er an anxious group is seen Around some monthly magazine Or paper that is daily whirled To every quarter of the world, And merry peals of laughter rise As this or that attracts the eyes, The smiling crowd, you may depend, Above some illustrations bend That advertise the strength and scope And purity of Ivory Soap.

But while they smile or praise bestow But while they smile of praise bestow
And wonder whence ideas flow,
The fact should still be kept in mind
That people of the knowing kind
Will heed the hints or lessons laid
In rhymes and pictures thus displayed,
And let no precious moments fly
Until the Ivorky Soar they, try,
And prove on garments coarse and fine,
The truth of every sketch and line.

## A WORD OF WARNING.

There are many white soaps, each represented to be "just as good as the 'lvory';" they ARE NOT, but like all counterfeits, lack the peculiar and remarkable qualities of the genuine. Ask for "lvory" Soap and insist upon getting it.

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