But summer cleared my happier eyes With drops of some celestial juice, To see how beauty underlies Forever more each form of use.

And more: methought I saw that flood,
Which now so dull and darkling steals,
Thick, here and there, with human blood,
To turn the world's laborious wheels.

No more than doth the miller there
Shut in our several cells, do we
Know with what waste of beauty rare
Moves every day's machinery. Snrely the wiser time shall come When this fine overplus of might. No longer sullen, slow and dumb, Shall leap to music and to light.

In that new childhood of the earth, Life of itself shall dance and play; Fresh blood in Time's shrunk veins

make mirth, And labor most delight half way.

begin to think. "What shall I make pretty and when cold apply another. for the Yule Tide,"

for fancy work, embroider some doyleys. wineglass of warm water and then drop cerned, was conducted by a teacher who is peculiarly fitted for the work. the plates, and they are made by cutting heavy undressed linen into circles the size proportions of one-third glycerine to twoof a breakfast plate. Divide the edges into 12 equal parts, cut into squares, points hands. tional designs. Work the tlowers with thoroughly first with hot water and soda. their natural shades in Belding's wash

To preserve vinegar for domestic pur
poses cork it up in glass botties, set them

seven inches deep. This strip will make loses its virtue, though kept many years or occasionally left uncovered, and is pecuseven threads far enough back from the liarly suitable for pickles. edges to allow for a quarter of an inch hem; hemstitch with very fine thread. Then

Belding's wash silks in shades desired. can easily be sown to the cardboad at one hours, remove the bones, season and serve. edge and drawn under the box with a A useful novelty is the invalid's teacup. finished with a pincushion to use for jew- neither in price nor in size from the

middle for a lift. For a dainty watchcase cut four round tained can be kept hot for some time, until pieces of pasteboard 3½ inches in diameter. the invalid is ready for it. Cover two of them with red surah silk, and the other two with white satin or chamois Monthly Prizes for Boys and Girl the other two with white satin or chamols skin, for the lining. Take a strip of the red surah 12½ inches in length and three inches in width; make a narrow hem on the two ends, gather the two sides and stitch them on to the wrong side of cach white round, just inside the edge, leaving 3½ inches for the opening. Take one yard of half-inch wide ribbon, cut it in two pieces; sew one end of each piece on the wrong side of the white rounds, tie the two ends in a bow to hang it up by. Paste one of Kursheedt's small silk owls in the centre of one of the red rounds, with the words, "You sleep,"

Monthly Prizes for Boys and Girl
The 'Sunlight" Soap Co., Toronto, offer the following prizes every month till further notice, to boys and girls under 16, residing in the Province of Ontario, who send the greatest number of "Sunlight" wrappers:—1st, \$10; 2nd, \$6; 3rd, \$3; 4th. \$1; 5th to 14th, a Handsome Book; and a pretty picture to those who send not less than 12 wrappers. Send wrapper to "Sunlight" Soap Co., Toronto, offer the following prizes every month till further notice, to boys and girls under 16, residing in the Province of Ontario, who send the greatest number of "Sunlight" wrappers:—1st, \$10; 2nd, \$6; 3rd, \$3; 4th. \$1; 5th to 14th, a Handsome Book; and a pretty picture to those who send not less than 12 wrappers. Send wrapper to "Sunlight" Soap Office, 43 Scott St., Toronto, not later than 20th of each month, and marked "Competition;" also give full name, address, age, and number of wrappers. Winners' names will be published in The Toronto Mail on first Saturday in each month of the province of Ontario, who send the greatest number of "Sunlight" Soap Ontario, who send the greatest number of "Sunlight" Soap Ontario, who send the greatest number of "Sunlight" wrappers:—1st, \$10; 2nd, \$6; 3rd, \$3; 4th. \$1; 5th to 14th, a Handsome Book; and a pretty picture to those who send not less than 12 wrappers. Send wrappers. Send wrappers. Send wrappers. Send wrappers wrappers of "Sunlight" Soap Office, 43 Scott St., Toronto, no skin, for the lining. Take a strip of the red red rounds, with the words, "You sleep,
I'll watch," painted or written in gilt
above it. Paste the red rounds on to the

white ones. 18 inches long by 12 inches wide, and lined "a complete cure." "a marvellous cure," with Nile green China silk, with an inter"the best cure." "a thorough cure, "the have hearty congregational spinkled with long of short wedding well sprinkled with long on the spinkled with long of short wedding well sprinkled with long on the spinkled with long of short wedding well sprinkled with long or the spinkled with lo lining of sheet wadding well sprinkled with only cure," and a guaranteed cure. sachet powder. Make a cord of Belding's Nile green rope silk and silver tinsel cord. The case is folded through the centre, crosswise, and the upper side decorated with a cluster of field daisies, crossing diagonally and painted in their natural colors. One corner is turned over just enough to show the contrast between the lining and chamois skin. A band of inch wide ribbon crosses the centre lengthwise, and is caught down at the ends, in the centre, and in the centre of each side; this makes four loops, under which the neckties may be slipped. The end of the ribbon on the upper side is formed into a large bow, and conceals a hook, which fastens into a loop made on the other end of the ribbon. One lined with pale blue or pink and decorated with forget-me-nots would be pretty. This material is very desirable for necktie, hanokerchief, glove and photograph cases, as its soft yellow tints will harmonize well with almost any color, and thus articles made from it may be used in any room, regardless of the predominating shades. Buy a willow rocker, something about

\$1.25. Rub the woodwork smooth with sandpaper. Afterwards rub with a soft cloth to remove all particles and grittiness. Get a can of Harrison's sage green enamel

in long strokes, and set away to dry. After twenty-four hours apply another coat.

Measure the seat and back, and make two cushions to fit in cloth; fill with excelsior the trade:-We will be pleased to have the or feathers. Cut the lower corners of each cushion a little rounding, as shown, so as to draw well about the back supports. discription. We do turning of all kinds sign. The lining of the back of the cushions is of yellow or blue sateen. The ribbons to tie the cushion on the chair espectfully yours, J. C. Dodd & Son. must match the embroidery in color. This will make a valuable Christmas gift.

TEMPERATURE OF A SICK-ROOM The proper temperature of a sick-room is from 65° to 70° F, and the heat should not go much below or much above these points. Abundance of fresh air and sun. shine is the rule in all cases, except where the order of the physician prohibits the light. There is far more danger of the patient becoming enervated by close, foul air than there is from ventilation. English physicians insist that an open fire is a necessity to the proper ventilation of a for sale. Beds and mattresses cleaned. sick-room, and an eminent authority on JAMES F. HUNT, 593 Richmond St. tf this subject says: - "I do not consider any room suitable for a patient to occupy dur-ing a prolonged illness where there is not an open fire burning on the hearth, in order to secure proper ventilation."

A tight stove or a furnace register will not serve any such purpose. On the contrary, the stove throws out a dry heat, which can only be partly counteracted by which can only be partly counteracted by keeping boiling water on the stove. It assortment to select from, very cheap. Call and inspect before buying.—Wm. TRAFdoes not solve in any way the problem of FORD, 95 and 97 King street. ventilation. The furnace register, too, eften brings up a current of foul air from the cellar or the kitchen, into which the cold air box opens. Unfortunately it is quite the exception to have the cold air box | Teeth without plates; gold and porcelain crowns; established fifteen years, J. B ever.

open outdoors, as it should. Even where congregational assist materially in ventilating the room.

One of the best methods of removing odors is to take a shovel of burning coals, sprinkle it with coffee and pass it around the room. Where there is infectious disease a deodorizing solution should be obthe bedding and clothing of the patient are washed.

HINTS TO HOUSEKEEPERS. Perfumed oil sprinkled on library shelves, such as oil of cloves, will prevent used in many ways which may suggest themselves.

excessive amount of juice to be counteracted.

varnish, which costs about 50 cents a pint. brought around the month in which we coal, will cure carbuncles. Apply warm,

Glycerine and rose water, mixed in the

white wash twist, or the rope silk, and because if the glaze has become they are good friends.) possessed. Now, pansics for one, dogwood blossoms for be successfully fired. Should you decide another, wild roses, violets and conven to make the attempt, cleanse the ware

For finger-bowl doyleys use best quality on the fire with cold water and of India lawn. See that the threads of the as much hay or straw as will prevent them cloth are smooth, as unevenness makes it knocking together and breaking. When difficult to draw the threads. Get a quart the water nearly boils, take the pan off the er of a yard of lawn, even the edges by fire and leave the bottles in it for a quarter cutting by a drawn thread; make the strip of an hour. Vinegar thus prepared never

Beefsteak bones need never be thrown away, as they will make an excellent soup. place the pattern you intend to work on the Crack the bones in pieces and put them in doyleys underneath, and trace it with a a closely covered saucepan with just fine pointed lead pencil. Work with enough water to cover them; let them simmer slowly a couple of hours, then add To make a bureau-box, take a large-sized two sliced potatoes, two carrots chopped cigar box or a pound marshmallow tin fine and one sliced onion, If you want a box. Cut out of thin cardboard pieces to tomato soup, add half a dozen tomatoes fit the inside, and cover with a layer of thin peeled and sliced, or tapioca or vermicelli. cotton and silk, fasten at the corners and Add as much water as you will need for slip in the box. Make a puff of silk, which the quantity of soup desired, boil for two thread at the lower edge. The top can be It consists of a teacup and saucer, differing elery. A strap and rosettte will keep the ordinary breakfast or teacup, but so made lid from failing back. Fasten the lid to the back with silk loops and place a ring in the which is placed a small cube of prepared fuel, by means of which the liquid con-

Only one American in 264 is over 6 feet in height.

A necktic case is made of chamois skin.

(6) Can dypepsia be cured? Yes! K., people imagine that it is in the extreme High Church services where the singing is (6) Can dypepsia be cured? Yes! K.

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FIRE.—Temperance House, 98 King St.

ing and Systems.

I have always advocated congregational tained from the physician and used in the singing, and therefore rejoice whenever I water in which the utensils of the room, come across newspaper letters every now and then, which show that there is a grow ing distaste for that form of musical worship which leaves the praise of God almost entirely to the choir. These newspaper letters, however, while urgently advising mould on books. I letters, however, while urgently advising the early training of children in class singcolored decorations, oranges served and ing, have usually the same tendency, viz.: -They advocate too strongly one special Too acid, too sweet or too watery fruits system. Now this is a grave mistake, and are the most indigestible. Berries, oranges will never do any good to the cause to be and grapes are the easiest of digestion, advanced. The two systems of teaching that it enters between them, the feeding class singing, as most people are aware, are the "staff notation" and Oilcloth that has been in use and is the "Tonic Sol Fa." I do not intend to soiled should be scrubbed clean, using as discuss the respective merits of either, as I little soap as will be necessary for the purpose, and then varnished with oilcloth have always been of the same mind in the By the rotation of the disks, the steel is matter, maintaining that it is not the rolled around in all possible directions, and SUGGESTIONS FOR CHRISTMAS.

A warm bread-and milk poultice, with a system nearly as much as the teacher which alternately give a perfectly globular heaping tablespoonful of pulverized char-which does the work. Some time ago I shape to the steel and deliver it to a bole, was present at a contest (shall I call it?) of through which the perfected ball drops The essence of peppermint will cure an inflamed eye Pour five drops in hali a the day, as far as sight-singing was conthe two systems. The one which gained is peculiarly titted for the work, being clever, concise, and with his class thoroughly under control. The opposite side was also conducted by a clever and competent teacher, but somehow he lacked or scallops, not over 1½ inches deep.

Buttonhole these edges with Belding's because if the glaze has become embroider all over designs in the centre. permeated with grease, which in course of the respective designs in the centre. permeated with grease, which in course of the respective designs in the centre. They can all have a different design, time gradually happens, the colors cannot clude that one system was good—the other apparatus by which this is accomplished nude that one system was good—the other consists of cylindrical producers, ten feet bad. Undoubtedly both have their merits. In diameter and fifteen feet high, made of The only thing I take exception to in the wrought iron and lined with firebrick, the Tonic Sol Fa system is that you have to fuel being fed into a hopper at the top of learn the staff notation as well in order to the producer, and the bed of fire supported

general use. The question, then, which one system at first only to continue with another, which has to be learned after ail? Why not begin and end with the same?' I repeat that the old staff notation has to be learned, because as the day will probprinted in the Tonic Sol Fa notation, it perienced teacher of the system in England decomposition. and elsewhere—and they were like unto a blind man—especially the teacher—when attempting to read a simple part song. On sea when peering at the letters, dots and dashes of the Tonic Sol Fa, which are, however, simple enough. The truth is, that when you once, as it were, "see the sound" (for this is the whole basis of sight

for I happened to "see" the sounds naturally, I may be exonerated from prejudice or a wish to advocate one system above another. I merely wish to advocate good teachers. Whilst many are quarrelling and wasting their time over their own pet "system," the rising generation might be learning something, part of the "some along the surface of a body, the body may be learning something, part of the "some thing" being the building up of congregational singing. No one can more deeply appreciate that sublime church singing which can only be done by the choir, such as anthems assume that an explosion of dynamite or nitro-glycerice would cause a fracture. which can only be done by the choir, such as anthems, services and the more difficult chants. I would, by no means, do away with these, which would be casting out some of the grandest sacred music. It is in the hymns that I notice generally a lassitude and want of fullness. Many people imagine that it is in the extreme High Church services where the singing is left to the choir. This is a mistake, for I mated at 6,000,000,000 volts—in addition singing of hymns (aye, and chants, too) in said that the current of the wire is constant the very highest church services than any-where else. As I write I have in mind delivered in the one two hundredth part of where else. As I write I have in mind two churches I lately attended in a large city, where the services were quite ritualistic, but where the spontaneous and hearty joining in of the large congregation was a pleasure to listen to. People often say-"Wny don't they have hymns every one knows, so that we can all sing?" Now, this, my friends, would mean the exclusion of all new tunes and also of many most beau iful hymns, which are, however, somewhat difficult. It has always seemed to me that there are several ways by which good con-gregational singing might be attained. One way is to hold weekly practices, per-

The moon is said to move 3,333 feet per possible of their friends as soon as they know the hypers to be know the hymns to be sung the following Sunday. Still another way, although not ness and plunging it into water, which is so good, is for as many as possible mainly composed of hydrogen, files are (5) The Dyspeptic's Hope—K. D. C Why? Because it cures when all other remedies fail. Free sample package mailed to any address.—K. D. C. Co., New Glasorder that that may know, at least, something of the tune. By far the best plan is the first, though, for even the old tunes, ing considerable attention at Birmingham. which everyone knows (or think they England. It is composed of alumina and know), are often spoiled by a want of emery, the alumina being about seventy unity, as too many sing them their own per cent. In its natural state this flux is way, with a fine disregard of light and not vola ilizable like the refined comshade and rhythm, whereas, if they had mercial aluminum, but it a blast cupola once sung them at a practice, there would or reverberatory furnace it gives off its

oin the choir in practising the hymns,

know the tunes. Yes, let us have as much congregational singing as possible. Let the choir sing its glorious anthems and services, but in the "with heart and voice." FRANCES J. MOORE.

The Story of Consumpt on. Its true theory now established. Its treatment through the stomach. Its treatment through the skin. Its treatment through the lungs. Sanitary residence and winter palace for

New pastry and confectionery store.-W. Stiling has opened out in this line of busness at 312 Dundas street, where a full stock will be always found. "Home-made

pies a speciality fresh candies and confectionery of all kinds.
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In connection with the introduction of ball bearings for machine tools, mention is made of a recently invented machine for rolling steel balls by Mr. Fairbairn, of Manchester, England. This machine is provided with two horizontal disks, each having on one of its faces a spiral groove starting from near the rim of its disk and ending near its centre, with a feeding rim round its edges, the shape of the groove being half round in section; these disks are placed one above the other, with their faces in contact, and in this position are rotated in opposite directions. In the cen tro of the lower disk there is a hole through, and the spiral groove ends in this hole. Now, if a heated bar of steel be rims in the disks grasp the rod and draw it forward until the other ends of the spirals meet at the end of the bar at each revolu-tion, and, acting like shears, cut off a short length of the bar, sufficient to make a ball. at the same time compressed in the grooves, from the machine.

The improvements effected by Dr. Alphonse Hennin in the manufacture of fuel gas are claimed to result in an article containing as high as sixty per cent. of combustible matter, and at the same time obtaining larger quantities of ammonia and methods heretofore brought forward. The become what is understood to be a on a grate near the bottom; the combusmusician, by which I mean one who can tion which generates the heat for distillated fluently from the printed music in tion is maintained by blasts of steam and air, which are introduced radially through presents itself to many, is: -"Why learn tuyeres just above the grate. The peculiar advantage possessed by this method, as compared with all others which have been proposed, consists in its adaptation to so regulate the relative proportion of steam and air as to maintain in this lower porably never dawn in which all music will be tion of the producer an incandescent zone or bed of fuel at a sufficient temperature to stands to reason that a singer must decompose practically all of the steam adbe able to read the other. Those who do mitted. At the same time this is effected not learn the staff notation are simply no-where when they have to read it, as I can the supply of fresh fuel is so regulated that the upper portion of the producer is kept testify. I know people who are expert at a temperature sufficiently low to allow Tonic Sol Fa sight readers—one an ex-

To the various theories concerning lightthe other hand, a staff notationist is all at ning conductors which have been advanced by scientists is now added that of Prof. Rowland, of the Johns-Hopkins University, who asserts that the best method is to provide a metal roof with an ample singing), system means very little. As number of metal conductors leading to the I never myself studied any one particular system of sight singing. bolts from the clouds; copper is the best metarial but the country off the electric bolts from the clouds; copper is the best number of metal conductors leading to the material, but tin or iron will answer the purpose, and he suggests the placing of the conductors at the corners of a building. be broken or crushed by the enormous

strikingly exhibited than in the treatment of iron and steel. Thus, the addition of carbon to pure iron results in the production of steel, while the addition of a hydrocarbon produces effects so marked that steel itself becomes modified to such an extent that its properties are not recognizable; steel may in this way be as soft as pure iron. On adding hydrogen, in varyhaps after week day service, when the con-gregation, or, at least, the major part of it, of resilience, as in the watch spring. or that of tenacity, as in the knife or razor, or which could easily be practised first, in case it were inconvenient for people to remain late. Another way is for some members of the choir, or all, if possible, to have a weekly practice with as many as possible of their friends as soon as they various sorts of springs are produced: color blue; while by heating iron to white-A new aluminum flux called stephenite

The peculiarities developed in the vari-

ous processes of metallurgy are no more

be far more accuracy and unity, even if they do know the tunes of old, and it is surely needless to speak of the advantage great affinity, and which acts as a conto be gained by practice if they do not densing agent, while all impurities go to the liquid slag, and are drawn off in the usual manner. It is found that metal manufactured by means of this flux will harden up to the hardest steel; it also appears that the metal will work over and over again, becoming hard or soft as the operator may desire. Tests having likewise proved that, in its soft state, it will stand a tensile strain of about thirty-eight tons on the square inch, and when hardened, of about forty-eight tons. Another point upon which stress is laid is that the use of such a flux causes the iron to flow pulmonary diseases by Robert Hunter, use of such a flux causes the iron to flow M.D., New York and Toronto, Can be in a much more liquid state and to remain had free on application at 101 Bay street, in that condition a considerable time longer than by the ordinary process, thus preventing blowholes and faulty castings. which is, of course, a great desideratum. It is regarded as a great advantage that by this means, iron founders are enabled Go to John Friends, Dundas street, for resh candies and confections of all in the confections of

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has two pipes, one covering the valve rod (dry pipe) and the one conveying water to the spout (wet pipe). The rod in this hydrant is actuated by a brass screw and handle above, and raising plunger the smallest fraction of an inch, closes waste before any water can enter discharge pipe. With the valve open we nave the full and unobstructed flow of water through the aydrant which can well be compared to a straight-way valve or round-way cock. Closing the valve empties all water from wet pipe through dry hole. To repair hydrant or washer remove top cap or plate and withdraw plunger remove top cap or plate and withdraw plunger valve. It can be readily repaired without dig-

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