Quantity of Seed Per Acre. We are frequently requested to name the quantity of seed required per acre of the various farm and garden crops, While there should be slight variations to meet the variable conditions of soil, climate and purposes for which a crop is raised, the amount of seed used is almost uniform throughout the entire country. In the following table the quantity of seed generally sown per acre is given, supposing, of course, that it is sound and fresh, and that a large proportion will grow. If our readers will out this table out and paste it in their scrap-books, it may be found useful for future reference, and save them the trouble of writing a letter to obtain the information which it contains :

| second the second to both second ,  |               |      |
|---|---------------|------|
|   | Bus           | hel  |
| Boans, in drills, 23; feet apart  |               |      |
| Corn for fodder 3   | to            |      |
| Barley, broadcast 2   | to            | - 1  |
| Barley, broadcast   | i to          |      |
| Buckwheat 1<br>Chufas, in drills  | to            |      |
| Chufas, in drills   |               |      |
| Hungarian grass   |               |      |
| Rentucky blue grass   | to            | - 3  |
| Lawn grass 2  | to            | 1    |
| Millet, broadcast 3   | s to          |      |
| Oats  | to            | 1    |
| Orchard grass   | to            | 1    |
| Poss, early, in drills 2  | to            | 1    |
| Peas, marrowfat 1   | í to          | 15   |
| Foratoes in drills, or hills, cut   |               |      |
| Peas, marrowfat   |               | 10   |
| FOURIORR, CHI TO SIDDIO OVER  | to            | -4   |
| Bre, brondenst 13   | i to          | 15   |
| Red top 2 .   | , to          | - 8  |
|   |               |      |
| Rhode Island bent 2   | 10            | 3    |
| Bainfoin 2  | to            | 2    |
| Timothy   | 400           |      |
| Vetches   | to            | -3   |
| Wheat Dioadcast 11  | 10            | 2    |
| Wheat, in dirills   |               |      |
| and the second se | Qua           | rta, |
| Beans, pole, in hills, S12x4 8  | to            | 12   |
| Corn, in hills  | to            |      |
| Corn, in hills  | to            | 12   |
| Millet, for seed  |               | 12   |
| Mustard, broadcast  |               | 12   |
| Borghum, or Chinese sugar cane. 2   | 10            | -3   |
| Pearl millet 1  | to            | 2    |
|   | Potts         | HA.  |
| Beets and mangel warged   | to            | 6    |
| Cabbage.  | to            | ĩ    |
| Carrot. 2   | to            | 3    |
| Cucumber, in hills  | to            | 2    |
| Cabbage   | to            | 20   |
| Clover sown on grain in spring.   |               | -0   |
| mixed with 1 bushel timo.   |               |      |
| thy and I bushel red top  |               | 10   |
| Clover, white, broadcast alone 10   | to -          | 15   |
| accor, white, in drills   |               | 8    |
| Alfalfa or lucerne, broadcast   |               | 15   |
| LUTION, ID (TELLIN  |               | ិទ័  |
| Parsnip, in drills  | to            | ĕ    |
| Parsnip, in drills  | to            | 8    |
| Badish, broadcast   | to            | 16   |
|   | to            | - 8  |
| Spurry, broadcast.  | 1110          | 20   |
| Spinach. 8<br>Turnip and rutabaga, broadcast<br>Turnip and rutabaga, in drills  | to            | 10   |
| Turnip and rutabaga, broadcast  |               | 1    |
| Turnip and rutabaga, in drille  |               | 1    |
| -New Yo   | 12 19         | 111  |
|   | 14.439        |      |
| Health Hints.   | and La        |      |
| Sore THROAT Five cent's w   | ort]          | 1    |
| ablanda of notach discolned in  | Course of the | 120  |

chloride of potash dissolved in a tumbler of water, and the liquid thoroughly gargled, will cure a sore throat like magic. Rub the outside with a little camphorated oil.

FROST BITES.—The following is a simple remedy for frost bites. Extract the frost by the application of ice water till the frozen part is pliable, but let no artificial heat touch it; then apply a salve made of equal parts of hogs' lard and gun-powder, rubbed together until it orms a paste, and in less than twentyfour hours the frozen parts will be well.

SPRAINS,-If the sprain is nothing more than a sprain-that is, if no bones A Suddea Deasia. There is something terrible in the thought of having our friends stricken down at our side, without a parting word of endearment or conare broken or put out-wrap the part in several folds of flannel which has solation-one moment at our side in the flush of vigorous life, cheering our hearts with their

WARDEN AND HOUSEHOLD, the past season bore abundantly. Currants and gooseberries thus manured also bore much heavier crops than usual. -Ex

A full-bearded grandfather recently had his beard shaved off, showing a clean face for the first time for a number of years. At the dinner table his threeyear-old granddaughter noticed it, gazed long with woodering eyes, and finally ejaculated, "Grandfather, whose head you got on?"

Ease Attainable by the Rheumatic. Yes, although they may despair of rolief, it is attainable by rheumatic sufferers, for there is a remedy which carries off, by means of increased activity of the kidoeys — important channels for blood purification — the acrid element to which pathologists the most emi-nent attribute the painful symptoms — a theo-ry completely borne out by urinary analysis. The name of this grand depurent is Hostetter's sicians and analysts, who pronounce it to be eminently pure and very beneficial. The press also indorses it.

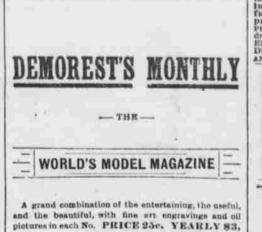
William Grace. As a general inquiry of "What is Grace's Salve, and who is its originator?" may seem to be a question worthy of being answered, we to be a question worthy of being answered, we have been induced to give the following brief, yet truthful account of its history : This Salve is a vegetable preparation, invented in the seventeenth century by Dr. William Grace, who was surgeon in King James' army, and who from that time always used it in his pro-fessional practice, whenever screeness or inflam-mation presented itself. As a medical agent for the cure of wounds, it was followed with great success, and thousands of the veterans that were wounded in the campaigns of 1688 and 1689 owed to this salve the salvation of their lives. Col. Richard Grace, who was King James' chamberlain, introduced this Salve into the royal palace, where it was used with the the royal palace, where it was used with the greatest success, and highly esteemed for its virtues in the cure of sores. At the siege of Athlone, Col. Grace ordered it to be adminisattaches, Col. Grace ordered it to be adminis-tered to his compatriots who were wounded during the memorable day of the battle; and it was used with such success that the head surgeon of the army at Aughrim ordered Dr. Grace to manufacture 100 gross, and distribute it among the hospitals before the battle. On It among the nospitals before the battle. On the sad defeat at Aughrim, after Ginkle's army took possession of the battle-field, several ambulances, which had been abandoned by the retreating army, were found to contain sealed cases of the Salve. The English surgeons test-ed it upon their wounded and accertained its ed it upon their wounded and ascertained its value, and thus were both of the contending armies befriended by it. Both Dr. William Grace and Col. Richard Grace died in the cam-paign of 1691—the former of disease, the latter killed in the intrenchments of Athlone, with the flag of his country wrapped sround him, cheering his men on to victory. After the death of Dr. Grace, the Salve was not used much outside of his family, until the rebellion of 1798, when William Grace, grandfather of the subscriber, applied its virtues, at the bat-tle of Ross, to his brave comrades who fell wounded while fighting for the rights of their the of Ross, to his brave comrades who fell wounded while fighting for the rights of their country. This salve was quite extensively used in certain localities of Ireland, being furnished gratnitously by the subscriber's parents until 1818, when they left the land of their nativity and came to this country, bringing with them the secret of the Salve they received from their ancestors. They continued to make the Salve, as before, for their neighbors, free of charge, until the fall of 1861, when the frequent calls for it, and the serious cases cured by it. infor it, and the serious cases cured by it, in-duced the subscriber to bring it into more genduced the subscriber to bring it into more gen-eral notice, and to charge a small price for the article that has received the recommendation of patriots upon the battle-fields of yore, as well as from persons of the present day.— *Toronto Advertiser*, March 6, 1878.

## A Floating College. President W. S. Clark, of the Agri-

onltural college, is to leave Amberst again for a while to become president of a floating college which is to make a voyage around the world. A fine iron steamship has been bought abroad, which will have every convenience necessary for the comfort of two hundred and fifty students, who are to pay \$2,500 each for the trip. The vessel, The Gen-eral Werner, is now in New York harbor, where she will receive her outfit, and be in readiness to sail on the first of next May. The first point touched will be the Azores, thence to Ireland. England, Scotland, Sweden and Norway, Antwerp, Hamburg and St. Peters-burg, and thence to Havre and other French ports, also Spain and Portugal ; then up the Mediterranean to Constantinople and Smyrna. Egypt and the Nile ry completely borne out by urinary analysis. The name of this grand depurent is Hostetter's Bitters, a preparation likowise celobrated as a remedy for constipation, which causes contam-ination of the blood with the bile — and a cer-tain means of relief in dyspepsis, fover and ague and nervous allments. It is, perhaps, the finest tonic extant, and is highly recommended as a medicinal stimulant by distinguished phywill also be taken in, and the party will Japan, and the way home is by the Sandwich islands to San Francisco. The expedition will leave the ship at San Francisco, and make the remaining distance overland, stopping off occasionally to visit the various points of interest both north and south of the line of the railroad, and the party expect to reach New York at the end of a year and a half. The General Werner will sail under the American flag, though a foreign-built vessel, a bill having been put through Congress allowing her to come in free of duty, in consideration of the purpose for which she is chartered. The The projector of this enterprise is a young man of means from Auburn, N. L., who, after correspondence with President Olark on the subject, came to Amherst and secured him to become the president of this floating college, and arranged the minor details of compensation, which are liberal and satisfactory; -Boston Journal.

> A favorite design for gold jewelry for earrings, the clasp of bracelets or ends of pins, is the head of the Assyrian ram; with curled horns.

Bronze-green gloves are worn with suits of that color, but are said to be poisonous



with an uncousied premium, two splendid oil Rock of Ages and The Lion's Bride, 15x21 inches, mounted on canvas; transportation 50 c. extra. Send postal card for full particulars. Address

W. JENNINGS DEMOREST.

17 East 14th Street, New York.



# Women 0 Who want glossy, luxuriant and wavy tresses of abundant, beautiful Hair must use LYON'S KATHAIRON. This elegant, cheap article always makes the Hair ginw freely and fast, keeps it from falling out, arrests and cures grayness, removes dandruff and itching, makes the Hair strong, giving it a curling tendency and keeping it in any desired position. Beautiful, healthy Hair is the sure result of using Kathairon, For Singing Classes. ONWARD! (75 ots., \$7.50 per dozen.) By Author's last and perhaps best compliation for Sloging Schools. Fine instructions, s undant exercises, many Glees and Songs, and a good quantity of Sacred Music. OHNSON'S Method for Singing Classes (60 ots., or \$6.00 per (oren) for Singing Schools, has remarkably clear instructions, and a large quantity of pleasing Sacred and Secular Music for THE LAUREL WREATH, 181, or 89 per dos.) is a graid book for Singing Classes in High Schools, Normal Schools and Seminaries. Part I. Eleman-tary. Part II, Voice Cultivation, Part II, Select Music in 2, S and 4 parts. Part IV, Sacred Music. GRAMMAR SCHOOL CHOIR, (60 ets., or SG S. TILDES, is an exceedingly well-constructed book for the Singing Classes in Grammar School-, (the higher classes), and for the younger classes of High THE WHIPPOORWILL, (50 cts., or \$5 per don By W. O. PRIMINN, is a genial and very bright collection of School Songs. Any Book mailed post-free, for retail price. OLIVER DITSON & CO., Boston.

843 Broadway, New York.

922 Chestnut St., Phila.



ever invented. It is NOINELESS, and has more POINTS of EX-CELLENCE than all other Machines combined.



Best SIX-CORD SPOOL COTTON. It is celebrated for being STRONG, ELASTIC, and of UNIFORM STRENGTH. It has been awarded MEDALS at the great Expositions, from the first at Paris, in 1855, to the Centennial at Philadelphia, in 1876. In this country CLARK'S O. N. T. SPOOL COTTON is widely known in all sections for its Su-perior Excellence in Machine and Hand Newing. Their Mills at Newark, N. J., and Paisley, Scotland, are the largest and most complete in the world. The entire process of nanufacture is conducted under the most complete and careful supervision, and they claim for their American production at least an equal merit to that produced in their Paisley Mills. As

No Grand Prizes were awarded at Paris for Spool Cotton.

they are Glad to announce to the American Public that they have been awarded a GOLD MEDAL, being the highest award given for Six-Cord Speel Cotton.

## George A. Clark & Brother, Sole Agents,

No. 400 Broadway, New York. FRANK LESLIE'S

Illusirated Newspaper.

A Pictorial Record of Current Events at Home and Abroad.

Epitomized History of Our Times.

The Centents embrace graphic illustrations of the

Editorials on all subjects of public interest

Editorials on all subjects of public interest. Admitriable Cartoons, humorously hitting off poculiar incidents, prevailing follies, foibles, etc. Sciece: Serial and Short Stories, Essay, Postry, Biographies, Musical and Dramatic News, Personal Gossip, Foreign and Demestic, Anacdotes, and a highly smusing and instructive Miscellany. Double-Page Supplements are frequently given with out extra charge, illustrating events of more than usual interest.

This Popular Weekly has now reached its forty seventh Volume, and has afforded the public a complete review of the events of each work during the sast twenty two paura, and is, therefore, a veritable ibrary of reference.

FUBLISHED EVERY WEDNESDAY.

For Sale by all Newsdealers. Price 10 Cents a Copy. Annual Subscription, 84, Postpaid.

Bud Tarms to Agonts ever offered. Send stamp fo.

Frank Leslie's Publishing House,



BROWN'S ERONCHIAL TROCHES, for cought and solds

NEW and Basuliful - Photograph Curds with Name. Samples 10. Sand picture to S. PERRY, Massau, N.Y.

it with a dry bandage, and rest it for with death, deaf to our cries and beedless of

To REMOVE WARTS, -The best appliation is said to be that of monohydrated tric acid. The ordinary acid should t be used because its caustic effects dend much farther than the points ched, while the action of the strongacid here recommended is limited to them. be parts to which it is actually applied. Itrate of silver is also frequently used with advantage, and of late a concened solution of chloral has been oken of as efficient in destroying

## A Lunch for Traveling.

carry their luuch, generally have a ral supply of chicken. Now, there to objection to the fowl itself, but o is to the shape in which it is often n. When there are so many good res for 'pressed' and 'jellied ken,' it seems as if the bones need be carried. I was once obliged to apy a seat on the cars with a hour by guawing the wings and legs aged in the like occupation. If the CHEW oken be prepared according to the companying recipe, travelers need not cheon : Cut up a young fowl and I it in a kettle, with one coffeecupful cold water. Sprinkle with salt and per, and cover closely. When ten-pick the meat off the bones, and into bits, the size of peas, pack in art bowl. Thicken with flour the juice that remains in the kettle, pour over the chicken. Put a plate it, while warm, and a heavy weight the plate. It is necessary to cook a fowl in but little water, otherwise it nul not jelly. It is best not to cut ussed chicken until the day after it is de. Place thin layers of it between

alices of bread, and press firmly

## Top-Dreasing.

p-dressing the garden beds, the trees and bushes with some welled cow manure will be a seasonable useful work. The small expendiof manure will be amply repaid. test of the value of such top-dress-I may mention that one standard at-tree in a row (a Clapp's favorite), used last fall with four shovelfuls of manure, was this year loaded with pears, so that the limbs had to be ated with stakes, A row of peachdressed in the same manure have

out of hot water, and cover loving sympathy ; the next at our feet, pale nome days or even weeks. Entire rest our tears. Every excessively fat person is in at first, and moderate rest afterward, instant danger of such a death. Seven-tenths is a beclutely necessary after a sprain. If it is in the ankle, the foot should be aised as high as may be comfortable; if in the wrist, it should be carried in a ding. to five pounds a week.

To be of permanent benefit a medicine must reach the source of the disease. The reason why Scovill's Bloo.1 and Liver Sirup is so suc-cessful in overcoming scrofulous, syphilitie and eruptive complaints is that it entirely roots out those impurities which give rise to them. The source of the ard height between them. The cause of the evil being thus re-moved and the normal purity of the circulation restored, the skin resumes it original clearness and eores and pimples disappear. Sold by all druggists.

Best organs as a whole and best workmanship in detail, is the conclusion reached at the Paris Exposition as to the Mason & Hamlin Cabinet Organs. Organs from thirty best makers in the A writer in the Rural New Yorker w:--"I have not'cad when traveling the cars that many of the passengers we there that many of the passengers

For nowards of thirty years Mrs. WINSLOW'S SOOTHING SYRUP has been used for children with never failing success. It corrects acidity of the stomach, relieves wind colic, regulates the bowels, cures dysentery and diarrhees, whother arising from teething or other causes. An old and well-tried remedy. 25 cts. a bottle.

Familiarity with the writings of the great npy a seat on the cars with a poets is a necessity to any one who wishes to appear well in company. For 10c, we will send a book of 100 selections from the beautiful mela fowl. At the same time another the unequaled songs of Burns, and 50 popular

| -     | CHEW       |
|-------|------------|
| The   | Celebrated |
| - 473 | LATOHLESS" |
| Woo   | d Tag Plug |
|       | TOBACCO.   |

## THE PIONEER TOBACCO COMPANY, New York, Boston, and Chicago.

A gentleman afflicted with the chronic rheu-matism says : "No description of my case can convey the vast amount of benefit I have re-ceived from the use of Johnson's Anodyne Liniment. I believe it is the best article in the world for rheumatism." world for rhoumstism."

The season has arrived when everybody who ownshorses, cattle, sheep, hogs and fowl should begin to feed out Sheridan's Condition Pow-They all need to be braced up for win-Get Sheridan's. The large packs are ders. ter. worthless,

A neglected cough, cold or sore throat, which might be checked by a simple remedy ther. To be eaten without sepa-ing, like sandwiches," like "Brown's Bronchial Troches," if allowed to progress may terminate seriously. 25 cts. to progress may terminate seriously. 25 cts.

Hon. C. B. Parsons, mayor of Bochester, was radically cored of Bright's Disease by Oralg's Eidney Cure. Depot 42 University Pl., N. Y.

To cleanse and whiten the teeth, to sweeten the breath, use Brown's Camphorated Sapona-ceous Dentifrice. Twenty-five cents a bottle.

may mention that one standard ree in a row (a Clapp's favorite), d last fall with four shovelfuls of nanure, was this year loaded with ears, so that the limbs had to be ried with stakes. A row of peach-ing abundant fruit nextyear, and the set of the yel-ing abundant fruit nextyear, and IMPORTANT NOTICE .- Farmers, Fami-

A Vegetable

BURNS, SUALDS,

WOUNDE,
FESTERS,
FILES,
BUNIONS,

BITES,