Agricultural.

Farm Sleds.—The tool sled, which I will first describe, has been frequently recommended as exceedingly convenient to transport plows and harrows to and from the field, to move barrels of cider or vinegar, or any such thing. As a stone-boat I find it of greater use than the stone-boat itself, for it is strong enough to carry all the small stones that can be loaded upon it. It is made of two 3x4 inch oak or hickory sticks, four feet long, hewed to sled runner points at one end; upon these, crosswise, two-inch planks three feet long are pinned with wooden pins; and upon these, at the front and sides, a two inch oak rave is nailed. It is best to have the whole thing of hard wood, but it makes it a little heavy. On a farm of fifty acres not more than one may be needed, but they are so easily made that on a farm of one or two hundred acres, employing two or three pairs of horses, two or three of different sizes and strength will be found useful. They are drawn by chains, or better, by an iron rod bent like the bale of a turnpike scoop.

The next sled I describe is useful both in Winter and Summer for hauling out manure or doing any such work. Its dimensions may vary indefinitely, and it may be drawn by oxen or horses. It is rigged with a pole or with thills for a single horse. The runners are 2½ inch oak plank, 8 feet long. These are united by cross pieces of the same material let in to the runners. Upon these the bottom of inch boards is nailed, with a square two-inch rave around the front and sides. Fitted to this, inside the raves, is the box. This made of four 12-inch boards, the long ones cleated at each end. The end boards are furnished with an L-shaped piece of iron (made from an old wagon tire perhaps) screwed upon each end, and projecting one inch. These fit over the side boards and hold them in place. By means of a dung fork or shovel they may be lifted, and thus the box actually falls off the sled and the manure may be shoveled off almost as quickly as it could be dumped from a cart. With this sled one can haul out manure where a wagon or cart would sink in so that you could not haul half a load. The loads are not so great as we could take on a wagon were the wheeling good, but if the way can be laid over grass, or if there is a little snow, the amount of manure which a pair of horses will haul upon the sled a short distance, and on comparatively level ground, is fully equal to what they would haul on a wagon. The sled is easily rigged for carrying wood or fodder, and if it be used upon the road much it would be well to pin on shoes of hickory, which, if bent when green, can be made to turn up in front to the tops of the runners. Never put iron shoes upon such a sled, they spoil it for running upon bare ground.

Care of Plants.—Some persons think they accomplish a good work when they wrap their roses and tender plants very carefully in straight straw, putting on twice as much as necessary "to keep them warm." Plants will keep themselves warm without any such injudicious treatment. What they need, and must have, is protection from the sun's rays during Winter, to prevent sudden change, that terrible enemy of our tender plants. The system of wrapping in straw, drawn tightly from top to bottom, is about as bad as to give no protection at all. Plants are not insects, needing a chrysalis during the winter; neither are they to be smothered up under great banks of manure. A little bunch of evergreen sprigs, such as the red cedar or arbor vitæ, cut to suit the size of the plants to be shielded, the ends sharpened and pushed into the soil firmly, on different sides, and the tops tied together, or an armful of leaves thrown over a herbacious plant will be a certain protection, just as the huge bank of manure will be likely to prove certain death. Best of all, scatter a few leaves, and over them place a few evergreen boughs. Scarcely any even of the so-called hardy plants but would be benefitted by some such sensible protection during the winter months.

Protection of Plants by Artificial Clouds. — One of the largest vine growers of France has succeeded in saving his vines from frost by building fires of wheat chaff, straw and rubbish to the windward of his plantation on cold nights, so that warm, heavy smoke of the fires would be carried in a protecting pall over the vines. When the temperature was noticed to be falling rapidly, he collected three hundred heaps of chaff and straw, and applied fire to them when the thermometer marked 32 degrees Fahrenheit. The flames were kept under, and in a few minutes a dense cloud of smoke had settled over a plain of 360 acres. When the temperature had risen above the freezing point the fires were extinguished but were relighted the next night, which was one of the coldest of the winter. The vineyards of the surrounding country presented after the frost a scene of desolation, while those protected by the smoke were unharmed. Thirty thousand dollars' worth of plants are said to have been saved at the expense of a quantity of worthless chaff and straw.

Wild Horses of the West.—Large numbers of wild horses are seen on the prairies, between the Arkansas and Smoky Hill rivers. They are of all sizes and colors, and are the wildest of all wild animals. They usually roam in bands of from six to twenty, and will run at sight of a man two miles away. A great many domestic horses, as well as mules, which have strayed away from their owners, have taken up with the wild ones. After running with them for a while they become as wild as their untamed companions. Various methods have been adopted to capture these aboriginal horses, but they have generally proved fruitless.

Transportation of Cattle.—An act of Congress passed last winter, went into force October 1st, providing that no animals in transportation shall be confined in cars or boats more than twenty-eight consecutive hours, without unloading or refreshment, unless storms or accidents prevent. During their rest the animals shall be carefully fed and otherwise cared for. The penalty for failing to comply with these requirements on the part of owners or transportation companies, is a fine of not less than one hundred nor more than five hundred dollars. The United States Marshals and their deputies are charged with the duty of enforcing this law, when notified of its infringement.

A farmer's wife writes: "I have made butter from Durhams and Devons and common cows; but I never saw any cow that would make so much butter, and of such nice quality, in a year, as a Jersey (Alderney). And if the Jersey cow be the cow for the gentleman who wants rich cream, she is also the cow for the farmer who wants gilt-edged butter."

That there is much of truth in the above there can be no doubt, but the Alderneys vary much, not only in the amount and richness of their milk, but also in the quality of their butter. Some we have found, even among good butter-makers, of a very poor quality.

Library of Woods.—A curious library may be seen at Cassel, Germany, made from 500 European trees. The back of each volume is formed of the bark; the sides of the perfect wood; the top of young wood; and the bottom of old wood. When opened, the book is found to be a box containing the flower, seed, fruit and leaves of the tree, either dried or imitated in wax.

Scientific.

Phenolcyanine.—This new substance is derived from phenol, and appears to possess considerable interest, from the analogies it presents with certain coloring matters derived from lichens, and inasmuch as it may perhaps throw some light on the constitution of indigo. It is obtained directly from phenol by dissolving the latter in alcohol, adding liquid ammonia, and allowing the mixture to remain for some weeks in a partially closed flask; but, in about fifteen days, when the liquid has become a rather dark green, twice its volume of water and one quarter of its volume of ammonia are added, and the mixture is left to itself for about six weeks. By this time the liquid has taken a very fine blue tint, very dark, and a certain quantity of phenolcyanine is found at the bottom of the vessel and adhering strongly to the glass. That which remains in solution can be collected by saturating the liquid with salt. The product is thrown on a filter, and the new substance dissolved in hot alcohol or benzol, from which it is obtained by evaporation.

Properties.—Thus obtained, phenolcyanine is a resinous substance of a very dark blue, nearly black, and showing metallic copper colored reflections like indigo. In alcohol, it forms a fine deep blue solution, in ether a reddish purple blue, and in benzol a reddish purple solution. Concentrated sulphuric acid dissolves it easily, forming a bluish green liquid; hydrochloric acid has little action; and nitric acid forms a nitrous compound very different from picric acid. Phenolcyanine is very slightly soluble in water, but dissolves in hydrated alcohol to which ammonia is added, and this solution can be considerably diluted with water. These alkaline solutions are deep sky blue by day, but of a vinous red by night or when a flame is seen through them. Acids redden these solution, and alkalies bring back the blue, as with litmus. Nascent hydrogen reduces phenolcyanine, and renders it completely colorless; but when the solution remains exposed to the air in presence of ammonia, the blue color soon returns. A mixture of ferrous sulphate and lime does not destroy the color of phenolcyanine as it does that of indigo blue; so that the former rather resembles the colored derivatives of orcine than it does indigo. Phenolcyanine melts very easily, and can be partially volatilized in purple vapor; the remainder is decomposed, and leaves a porous charcoal. —*Chemical News.*

Experiments with Oatmeal.—We see by an article in *La France Medicale*, that M. Dujardin Beaumitz has been experimenting with oatmeal as a food for young children. He made use of a jelly prepared by soaking a tablespoonful of the meal in a glass of water for twelve hours, then straining through a sieve, boiling till the whole assumes the consistency of a jelly, and adding sugar or salt to taste. According to analysis, 100 grammes of the meal contain 8.7 grammes of water, 7.5 of fatty matters, 62.5 of starch, 12.2 of nitrogen matters, 1.5 of mineral substances, and 7.6 of cellulose, dextrine and loss. Its nutritious value, therefore, as food for children, in regard to nitrogenous or plastic elements, as such as are respiratory, is analagous to that of human milk or cow's milk. Besides these, it contains more iron than do most of the articles of food.

Four newly-born infants were fed with the preparation just described, and in every case with satisfactory results. In addition to its qualities as food, it acts efficiently against colic and diarhœa. It enters into the composition of the syrup of Luther, which is said to be much used in Germany. M. Gillette, surgeon of the hospital of Melun, has also given oatmeal combined with cow's milk to six children, and finds it to be a valuable food in cases where the natural supply of milk is deficient.

A New Textile Plant.—The jury at the recent Exposition at Lyons, France, awarded a medal for the utilization of a marsh plant, commonly known as the *masette*. It is of the typha family, and three varieties, namely, *typha latifolia*, *angustifolia*, and *minima*, yield the fiber. The plant grows in a wild state in great profusion in streams of water, ponds, etc., and reaches a hight of some ten feet. Heretofore it has been employed for seating of chair bottoms and thatching of cottages, and occasionally in place of straw as bedding for animals.

The mode of extracting the fiber from the leaves after the latter are cut and dried consists simply in boiling them for several hours in an alkaline solution and afterwards dressing them in a mill or under rollers. Washing terminates the process. A yellowish paper is made, worth about $16 per 220 pounds. The fiber, it is believed, may be used for fabrics and for cordage, and is considered equal to hemp, flax or jute.

A Railroad Fire Engine.—The Virginia (Nev.) *Enterprise* gives an account of a new fire engine which the Virginia and Truckee Railroad Company have had constructed and fitted upon one of their locomotives, in view of the frequent occurrence of fires in wood-piles, tunnels, buildings, and other property along the line of their road. It stands upon the boiler of the locomotive, between the steam-chest and the bell, and not a little resembles an iron monkey riding the iron horse. The locomotive, with the little fire-fighter mounted upon its back, was recently brought up to the depot and a trial of its capacity made, which proved highly satisfactory. In case of a fire anywhere on the line of the road, the locomotive and engine with cars fitted with water-tanks will at once be dispatched to the scene of conflagration. Meanwhile the locomotive will not remain idle, as it can do switch duty and such work just as well as any other.

Consumption of Timber.—A paragraph in an exchange tells us that "about 7,000 acres are cleared of timber each day in this country. Of the annual crop $75,000,000 worth goes for fuel and twice as much to fencing. The locomotives in this country consume no less than 700,000 cords or 500 acres a year."

We do not know where the data for these figures is to be found. It seems an enormous quantity, and can scarcely be accurate. Still there is no doubt that the amount used is enormous, and it will serve a useful purpose to keep the fact prominent; as what we are to do for timber will no doubt, in the no distant future, be one of the most stirring questions that will come before the agriculturist—and for the matter of that before the whole country.

European Railroads.—According to the most recent statistical *data*, the total length of all the railroads in Europe is 58,650 miles. The largest number of lines is in Great Britain, aggregating 15,351 miles; Germany is next with 10,739 miles, then France, 10,511, Austria, 4,492, Russia, 4,758, and Belgium, 1,892.

Consumption,

the scourge of the human family, may in its early stages be promptly arrested and permanently cured.

Ravenswood, W. Va., Oct. 28th, 1872.
Dr. R. V. Pierce:

Sir:—For the last year I have been using your Golden Medical Discovery. I owe my life to it, having been afflicted for years. Did not use it but a short time before I was benefited; at that time I was very bad, not able to sit up much, was suffering greatly with my throat, was getting blind, had a dry cough, and much pain in my lungs. I have used twelve bottles of the Discovery and am almost well.

Kate T. Wardner.

A son of Mr. J. H. Meseck, of Chatham Four Corners, N. Y., has been cured of Consumption by Dr. Pierce's Golden Medical Discovery—so says Mr. C. B. Canfield, editor of the *Chatham Courier*.

S. R. Eglar, druggist, of West Union, O., writes to state that Dr. Pierce's Golden Medical Discovery has effected a wonderful cure of Consumption in his neighborhood. 5

Dr. Walker's Vegetable Vinegar Bitters.—Business men, worn by care and sedentary habits, often suffer from constipation of the bowels, until the evil consequences of such a condition are realized in extreme debility, nervousness and prostration of the vital energies of the system. And it may be safely asserted that a majority of the female sex are little better than invalids, from the same cause; but by using Dr. Walker's Vinegar Bitters, this natural aperient and tonic brings back the vigor and buoyancy of health, happiness and beauty. Pure blood is essential to sound health and long life. No chronic disease, sores, ulcers, skin eruptions, glandulous swellings, discharges from the ear, sore eyes, sores or cankers in the mouth will ever appear if the blood is pure. To secure this take Dr. Walker's Vegetable Vinegar Bitters. It is the great Blood Purifier and Life-Giving Principle, increasing the power of digestion, and exciting the absorbents into healthy action, whereby all impurities of the system are carried off. 23

We received a very pleasant letter of thanks from our old friend Kendall, since his return home, for a bottle of *Johnson's Anodyne Liniment* which we gave him, and which he says has entirely cured him of the troublesome cough he had when here.

On the death of one of England's most eminent physicians, all his effects were sold by auction, and among other things was a sealed packet, marked "Advice to Physicians," which brought a great price. The purchaser on opening the packet, read as follows: "Keep the head cool, the bowels open and the feet warm." If physic is necessary, use *Parsons' Purgative Pills;* they are the most scientifically prepared pills that have appeared in the last hundred years. 4

The noblest aim of science is to relieve human suffering. Its highest triumph is found in Dr. Hickman's Rheumatic Elixir, a remedy of the highest character and standing. Acute or chronic *Rheumatism*, *Gout*, and all aches and pains which are caused by the above diseases, give way before its beneficent power. For sale by all respectable Druggists. Price $1. If your Druggist has not got it, take no other, but send $1 direct to the Sole Proprietor and Manufacturer, Dr. Wm. H. Hickman, 336 South Second St., Philadelphia, Pa. Also Manufacturer of Dr. Hickman's Electric Fluid for *Neuralgia, Headache and Toothache.*

Sufferers with Piles should erect a monument to Dr. Silsbee, for his beneficent discovery of Anakesis, an infallible cure for the worst cases of piles—a failure in 20,000 cases has not been recorded. It is a simple suppository, painless and easy of application, gives instant relief, acts as an instrument, poultice, and medicine, and cannot fail to cure. Lotions, ointments, and internal remedies may fail but Anakesis is infallible. Price $1.00. Anakesis Depot, 46 Walker st., New York. Sent free by mail to any address on receipt of price. 13

Tape Worm! Tape Worm!

Removed in a few hours with harmless Vegetable Medicine. No fee asked until the entire worm, with head, passes. Refer those afflicted to residents of Philadelphia whom I have cured, that had been unsuccessfully treated at the Jefferson Medical College, on Tenth street; had taken in vain turpentines, the so-called specifics, and all known remedies. Dr. E. F. Kunkel, No. 259 North Ninth street, Philadelphia. The Doctor has been in business for over twenty-five years, and is perfectly reliable. Call and see. Advice free. Removed tape worm from a child six years old measuring 20 feet. At his office can be seen specimens, some of them over 40 feet in length, which have been removed in less than three hours by taking one dose of his medicine. Dr. Kunkel's treatment is simple, safe and perfectly reliable, and no fee until the worm, with head, passes. Dr. E. F. Kunkel, 259 North Ninth street, Philadelphia, Pa. Consultation by mail, or at office free.

Periodicals.

WOOD'S HOUSEHOLD MAGAZINE for January, contains a lavish supply of first rate articles. It is now in its fourteenth volume and every year has increased its popularity and added new friends to its large list of admirers. Though retaining its old name, it has not the slightest connection with its former proprietor, but has for many months been the exclusive property of Mr. S. E. Shutes, its present publisher. H. V. Osborne (Tenoroon) still continues as its editor and is the *only* person employed in that capacity—giving to the magazine not a careless supervision, but direct personal attention in every department. The magazine is improving constantly, and is splendidly adapted to the members of the household. The present number contains three engravings and other good things in proportion.

Price of magazine one dollar per year—with chromo *Yo-Semite*, one dollar and a half. Address

WOOD'S HOUSEHOLD MAGAZINE,
Newburgh, N. Y.

1874. 1874.

The Handsomest, and one of the Best and most Entertaining of the Monthlies.

LIPPINCOTT'S MAGAZINE,

An Illustrated Monthly, of Popular Literature and Science.

THE NEW VOLUME,

Commencing with the January issue, will be replete with the most attractive features. It is the intention of the conductors of the Magazine to render it a model of literary and mechanical excellence, and with this view no advantage will be neglected which either talent or capital can command to render each issue an agreeable and instructive compendium of

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The contributions now on hand, or specially engaged, embrace an unusually attractive list of

Tales, Short Stories, Narratives, Descriptive Sketches, Papers on Science and Art, Poems, Popular Essays, Literary Criticisms, Etc.,

BY TALENTED AND WELL-KNOWN WRITERS;

Together with a variety of able and interesting articles on the Important Questions of the Day. In addition to the shorter articles, several

ATTRACTIVE SERIAL WORKS

Will appear in LIPPINCOTT'S MAGAZINE during the year; among these is

"MALCOLM,"

By George Macdonald, commenced in the February Number.

These productions are confidently believed to be masterpieces of their authors, abounding in incident and humor, in striking characters and dramatic situations. A large amount of space will be devoted to *Our Monthly Gossip*, which will be enriched with short and lively articles on persons of note, incidents of the day, and other novel or amusing topics. A large proportion of the articles, especially those descriptive of travel, will be

PROFUSELY ILLUSTRATED.

The pictorial embellishments of the Magazine will constitute one of its most attractive features.

TERMS.—Yearly Subscription, $4; Two Copies, $7; Three Copies, $10; Four Copies, $13; Five Copies, $16; Ten Copies, $30. *See the Special Premium List for Clubs.* Single Number, 35 cents. Specimen number mailed, postage paid, on receipt of 20 cents.

To Agents a Liberal Commission will be allowed.

J. B. LIPPINCOTT & CO., Publishers, Philadelphia.

APPLETONS' JOURNAL FOR 1874.

Appletons' Journal is a magazine of weekly issue, devoted to popular literature, science, art, education, and social development.

Its characteristic feature is *comprehensiveness* — its contents including choice serial novels, the best attainable short stories, papers of adventure and travel, illustrated descriptions of places, sketches, with portraits, of distinguished people, essays on social, literary, and other topics, of popular interest; with a full survey of doings in literature, art, science, music, the drama, and movements in education and social life.

The purpose is to furnish a periodical which will give, in addition to an abundance of entertaining popular literature, contributed by writers of acknowledged standing, a thorough survey of the progress of thought, the advance of the arts, and the doings in all the higher branches of intellectual effort.

It should be noted that, in pursuance of this plan, the space at our disposal is far more extensive than that of the magazines issued in monthly form, at the same yearly subscription. *The fifty-two numbers of Appletons' Journal, forming one year's issue, contain one-third more literary material than the twelve corresponding issues of the largest of the monthlies, and, of course, a much larger proportion in excess of the smaller ones.* We may add that a candid examination will show that, with greater *quantity*, there is no inferior *quality* of literary production.

The Journal is made up in several distinct departments, as follows:

General Literature, consisting, as already described, of fiction, essays, tales of adventure and travel, illustrated papers, and articles of the usual magazine character.

Under *Miscellany* the reader finds brilliant extracts from new books; many highly-entertaining sketches of notable persons and things, translated from Continental journals; and extracts giving the core of the more noteworthy papers in the English magazines.

In the *Editor's Table*, social topics of interest are discussed, and glances given at current incidents and doings.

In *Art Notes* are given criticisms of new paintings, observations on decorative and household art, and a general survey of the progress of art in all its branches.

In *Music* and the *Drama* are afforded reviews of whatever is noteworthy on the lyric and dramatic stage, with criticisms of music in the concert-room, and papers upon the various manifestations in the world of music and the stage.

Literary Notes are devoted to reviews of new books, and intelligence in regard to literary progress.

Under *Scientific Notes*, the progress of invention and discovery is carefully noted, and the doings of the scientific world are recorded.

Contemporary Sayings gleans the brief, brighter utterances of journalists, essayists, orators, preachers, current in the passing literature.

The *Record* gives a retrospective summary of events in a form convenient for reference.

For those who prefer it, the Journal is put up in *Monthly Parts*, and in this form its scope and variety, as compared with other magazines, become conspicuously apparent.

Price, 10 Cents per Number; or $4.00 per Annum, in advance. Subscriptions received for Twelve or Six Months. Subscription Price of Monthly Parts, $4.50

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Volumes begin with January and July of each year.

D. APPLETON & CO., Publishers,
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One Copy of either for One Year $4, Postage prepaid.

HARPER'S MAGAZINE, HARPER'S WEEKLY, or HARPER'S BAZAR

will be sent for one year to any Subscriber in the United States, POSTAGE PREPAID, on receipt of Four Dollars by the Publishers.

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The Volumes of the WEEKLY and BAZAR commence with the year. When no time is specified, it will be understood that the subscriber wishes to commence with the Number next after the receipt of his order.

The Volumes of the MAGAZINE commence with the Numbers for June and December of each year. Subscription may commence with any Number. When no time is specified, it will be understood that the subscriber wishes to begin with the first Number of the current Volume, and back Numbers will be sent accordingly.

Bound Volumes of the MAGAZINE, each Volume containing the Numbers for Six Months, will be furnished for $3 per Volume, sent by mail, postage paid. Bound Volumes of the WEEKLY or BAZAR, each containing the Numbers for a Year, will be furnished for $7, freight paid by the Publishers.

The Postage within the United States is for the MAGAZINE 24 cents a year, for the WEEKLY or BAZAR 20 cents a year, payable yearly, semi-yearly, or quarterly, at the office where received. Subscription from Canada must be accompanied with 24 cents additional for the MAGAZINE, or 20 cents for the WEEKLY or BAZAR, to prepay the United States postage.

In ordering the MAGAZINE, the WEEKLY, or the BAZAR, the name and address should be clearly written. When the direction is to be changed, both the old and the new one must be given.

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NOTICE TO CONTRIBUTORS.—Contributors sending Manuscripts for the Periodicals are requested to prepay at letter rates—three cents the half ounce—and enclose stamps for return, if desired. The rate for book manuscripts (two cents for every four ounces) is not at present allowed by the Department to apply to manuscripts for periodicals.

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Bright, cheerful, earnest, progressive, and always up to the advancing thought of the times, the "*Home*" *takes rank with the leading and most influential magazines of the day.* It is on the side of Temperance, Christian morality, and all true reforms. Whatever is hurtful to society it condemns without fear or favor; *and makes itself felt in the community as a power for good.* It claims to be

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We have five elegant engravings, and subscribers can select any one they please as their premium. They are

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"*Bed-Time*," *Size*, 21 *by* 27 *inches.*

If more than one picture is desired, the price to subscribers is $1.00 each. Engravings of this style, size and quality cannot be had at the print stores for less than $5.00

TERMS OF HOME MAGAZINE.

1 copy for one year, in advance $2.50; 3 copies for one year, in advance, $6.00; 6 copies, and one to getter-up of club, $12.00; 12 copies, and one to getter-up of club, $24.00.

For every $24.00 club we will send the club getter, besides an extra copy of the Magazine, all of our elegant premium pictures, *five* in number. *This is one of the best premiums to club-getters ever offered.*

Every subscriber, whether single or in clubs, and every club-getter, will receive one of our beautiful steel engravings free. Subscribers for 1874 will receive the new picture, "*Peace Be Unto This House*," unless one of the others is preferred. *A choice of pictures is always given.*

Send 10 cents for mailing premium picture.

For $3.25 the "*Home Magazine*," and "*Children's Hour*," (including a premium picture with each) will be sent for one year.

Sample copies of *Home Magazine* 15 cents; of *Children's Hour* 10 cents.

For $4.50 *Home Magazine* and *Godey's Lady's Book*, one year, and a Premium Picture with each Magazine.

We have a *special premium list*, including many useful and valuable articles, such as Sewing Machines, Cabinet organs, Encyclopædias, Books, &c., &c., which we will mail, on application, to any who wish to receive it.

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Or Sugar-Coated, Concentrated, Root and Herbal Juice, Anti-Bilious Granules. THE "LITTLE GIANT" CATHARTIC, or Multum in Parvo Physic.

The novelty of modern Medical, Chemical and Pharmaceutical Science. No use of any longer taking the large, repulsive and nauseous pills, composed of cheap, crude, and bulky ingredients, when we can by a careful application of chemical science, extract all the cathartic and other medicinal properties from the most valuable roots and herbs, and concentrate them into a minute Granule, **scarcely larger than a mustard seed,** that can be readily swallowed by those of the most sensitive stomachs and fastidious tastes. Each little **Purgative Pellet** represents, in a most concentrated form, as much cathartic power as is embodied in any of the large pills found for sale in the drug shops. From their wonderful cathartic power, in proportion to their size, people who have not tried them are apt to suppose that they are harsh or drastic in effect, but such is not at all the case, the different active medicinal principles of which they are composed being so harmonized and modified, one by the others, as to produce **a most searching and thorough, yet gently and kindly operating cathartic.**

$500 Reward is hereby offered by the proprietor of these Pellets, to any chemist who, upon analysis, will find in them any Calomel or other forms of mercury or any other mineral poison.

Being entirely vegetable, no particular care is required while using them. They operate without disturbance to the constitution, diet, or occupation. For **Jaundice, Headache, Constipation, Impure Blood, Pain in the Shoulders, Tightness of the Chest, Dizziness, Sour Eructations of the Stomach, Bad taste in mouth, Bilious attacks, Pain in region of Kidneys, Internal Fever, Bloated feeling about Stomach, Rush of Blood to Head, High Colored Urine, Unsociability and Gloomy Forebodings,** take **Dr. Pierce's Pleasant Purgative Pellets.** In explanation of the remedial power of my Purgative Pellets over so great a variety of diseases, I wish to say that **their action upon the animal economy is universal, not a gland or tissue escaping their sanative impress.** Age does not impair them; their sugar-coating and being enclosed in glass bottles preserve their virtues unimpaired for any length of time, in any climate, so that they are always fresh and reliable, which is not the case with the pills found in the drug stores, put up in cheap wood or paste-board boxes. Recollect that for all diseases where a **Laxative, Alterative or Purgative** is indicated, these little Pellets will give the most perfect satisfaction to all who use them.

They are sold by all enterprising Druggists at 25 cents a bottle.

Do not allow any druggist to induce you to take anything else that he may say is just as good as my Pellets because he makes a larger profit on that which he recommends. If your druggist cannot supply them, enclose 25 cents and receive them by return mail from

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Advertisements.

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Can Dyspeptic Consumption be Cured? We answer, YES!

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Remove the fungus matter from the stomach, and restore it to a healthy condition.

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TAR CORDIAL!

Acts on the Liver, heals the Stomach, and acts on the Kidneys and Nervous System.

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It is known to all readers that since Dr. L. Q. C. WISHART has followed the cause and cure of diseases, and the great value of TAR as a curative remedy, as directed by Bishop Berkley and Rev. John Wesley, that many have attempted to make a TAR preparation for THROAT AND LUNG DISEASES. Be it known that Dr. L. Q. C. WISHART'S

PINE TREE TAR CORDIAL

Is the only remedy, from long experience, used by our most skillful physicians for Diptheria, Ulcerated Throat, Lung, Kidney, Stomach, Asthma, and General Debility, as well as for Coughs, Colds and Lung Affections.

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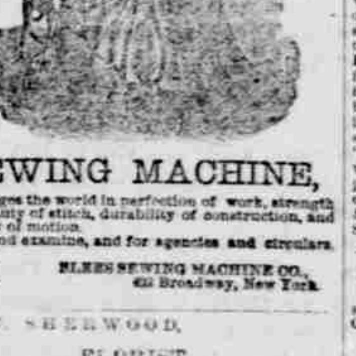

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Advertisements.

Dr. J. Walker's California Vinegar Bitters are a purely Vegetable preparation, made chiefly from the native herbs found on the lower ranges of the Sierra Nevada mountains of California, the medicinal properties of which are extracted therefrom without the use of Alcohol. The question is almost daily asked, "What is the cause of the unparalleled success of Vinegar Bitters?" Our answer is, that they remove the cause of disease, and the patient recovers his health. They are the great blood purifier and a life-giving principle, a perfect Renovator and Invigorator of the system. Never before in the history of the world has a medicine been compounded possessing the remarkable qualities of Vinegar Bitters in healing the sick of every disease man is heir to. They are a gentle Purgative as well as a Tonic, relieving Congestion or Inflammation of the Liver and Visceral Organs, in Bilious Diseases.

The properties of Dr. Walker's Vinegar Bitters are Aperient, Diaphoretic, Carminative, Nutritious, Laxative, Diuretic, Sedative, Counter-Irritant, Sudorific, Alterative, and Anti-Bilious.

Grateful Thousands proclaim Vinegar Bitters the most wonderful Invigorant that ever sustained the sinking system.

No Person can take these Bitters according to directions, and remain long unwell, provided their bones are not destroyed by mineral poison or other means, and vital organs wasted beyond repair.

Bilious, Remittent and Intermittent Fevers, which are so prevalent in the valleys of our great rivers throughout the United States, especially those of the Mississippi, Ohio, Missouri, Illinois, Tennessee, Cumberland, Arkansas, Red, Colorado, Brazos, Rio Grande, Pearl, Alabama, Mobile, Savannah, Roanoke, James, and many others, with their vast tributaries, throughout our entire country during the Summer and Autumn, and remarkably so during seasons of unusual heat and dryness, are invariably accompanied by extensive derangements of the stomach and liver, and other abdominal viscera. In their treatment, a purgative, exerting a powerful influence upon these various organs, is essentially necessary. There is no cathartic for the purpose equal to Dr. J. Walker's Vinegar Bitters, as they will speedily remove the dark-colored viscid matter with which the bowels are loaded, at the same time stimulating the secretions of the liver, and generally restoring the healthy functions of the digestive organs.

Fortify the body against disease by purifying all its fluids with Vinegar Bitters. No epidemic can take hold of a system thus fore-armed.

Dyspepsia or Indigestion, Headache, Pain in the Shoulders, Coughs, Tightness of the Chest, Dizziness, Sour Eructations of the Stomach, Bad Taste in the Mouth, Bilious Attacks, Palpitation of the Heart, Inflammation of the Lungs, Pain in the region of the Kidneys, and a hundred other painful symptoms, are the offsprings of Dyspepsia. One bottle will prove a better guarantee of its merits than a lengthy advertisement.

Scrofula, or King's Evil, White Swellings, Ulcers, Erysipelas, Swelled Neck, Goitre, Scrofulous Inflammations, Indolent Inflammations, Mercurial Affections, Old Sores, Eruptions of the Skin, Sore Eyes, etc. In these, as in all other constitutional Diseases, Walker's Vinegar Bitters have shown their great curative powers in the most obstinate and intractable cases.

For Inflammatory and Chronic Rheumatism, Gout, Bilious, Remittent and Intermittent Fevers, Diseases of the Blood, Liver, Kidneys and Bladder, these Bitters have no equal. Such Diseases are caused by Vitiated Blood.

Mechanical Diseases.—Persons engaged in Paints and Minerals, such as Plumbers, Type-setters, Gold-beaters, and Miners, as they advance in life, are subject to paralysis of the Bowels. To guard against this, take a dose of Walker's Vinegar Bitters occasionally.

For Skin Diseases, Eruptions, Tetter, Salt-Rheum, Blotches, Spots, Pimples, Pustules, Boils, Carbuncles, Ring-worms, Scald-head, Sore Eyes, Erysipelas, Itch, Scurfs, Discolorations of the Skin, Humors and Diseases of the Skin of whatever name or nature, are literally dug up and carried out of the system in a short time by the use of these Bitters.

Pin, Tape, and other Worms, lurking in the system of so many thousands, are effectually destroyed and removed. No system of medicine, no vermifuges, no anthelminitics will free the system from worms like these Bitters.

For Female Complaints, in young or old, married or single, at the dawn of womanhood, or the turn of life, these Tonic Bitters display so decided an influence that improvement is soon perceptible.

Cleanse the Vitiated Blood whenever you find its impurities bursting through the skin in Pimples, Eruptions, or Sores; cleanse it when you find it obstructed and sluggish in the veins; cleanse it when it is foul; your feelings will tell you when. Keep the blood pure, and the health of the system will follow.

R. H. McDONALD & CO.,
Druggists and Gen. Agts., San Francisco, California, and cor. of Washington and Charlton Sts., N. Y.
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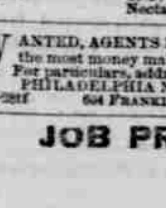

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with the Green Tea flavor. Warranted to suit all tastes. For sale everywhere. And for sale wholesale only by the Great Atlantic & Pacific Tea Co., 191 Fulton St., and 2 & 4 Church St. N. Y. P. O. Box 5506. Send for Thea Nectar circular. 8-4tf

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Advertisements.

EUGENE SCHOENING'S

CELEBRATED

SWEDISH BITTERS,

OF PERUVIAN BARK.

The Recipe for this Bitters was found among the papers of a Swedish physician, a single man, who lost his life, when 104 years old, by a fall of his horse. Said recipe then had been kept a profound secret by his family for more than three centuries. During all this time they made frequent use of the Bitters, which rendered them a strong and long living set of people, enjoying excellent health. Originally the secret of preparing this Bitters and its wonderful effects, was obtained by one of their kin, while participating in the earliest expeditions of the Spaniards in America, after a solemn promise, never to divulge it but to the presumed principal heir.

THIS GENUINE SWEDISH BITTERS

as it is now called, has since its coming into public use, effected thousands of astonishing cures of patients already given up by many physicians, and has proved itself such a powerful restorative and preservative Remedy, that indeed it needs no further individual recommendations or praise.

HOW IT OPERATES.

The effect of the Swedish Bitters directs itself, in the first place, to the nerves of the digestive organs throughout their entire extent, but mainly to the stomach and the visceral tract. It normalizes their functions, and therefore, according to the nature of existing irregularities or removes obstructions and retentions of all kind, or stops Diarrhœa, Dysentery, or other anamolous discharges and effluvia. By regulating the abdominal organs, of which depend the nourishment, the conservation and the development of the human body—the Swedish Bitters invigorates the nerves and the vital powers, sharpens the senses and the intellect, removes the trembling of the limbs the acidly, the burning, nausea, and pains of the stomach, improves its digestive faculties, and is an excellent Prophylactic and remedy against nervous Irritability, Flatulency, Cholic, Worms, Dropsy, &c. If taken in double doses, it operates as a sure aperient, but in a mild and painless way.

In consequence of these qualities of the Swedish Bitters it has become one of the most celebrated remedies against diseases of the organs contained in the abdomen, and of affections that befall mankind in consequence of said diseases. Thus the Swedish Bitters has an unsurpassed renown for curing Liver Complaints of long standing, Jaundice, Dyspepsia, Disorders of the Spleen, of the Pancreas, of the Mesaraic Glands, and also disorders of the Kidneys, of the Urinary and Sexual-Organs. Besides these the Swedish Bitters cures those innumerable nervous, or congestive affections and diseases, which originate from said abdomina disturbances, as:—Congestion of the Lungs, the Heart, and the Brains, Coughs, Asthma, Headache, Neuralgia, in different parts of the body, Chlorosis, Internal Hemorrhoids and Piles, Gout, Dropsy, General Debility, Hypochondriasis, Melancholy, &c., &c. Of great benefit the Swedish Bitters has also been found in the beginning of Gastric and Intermittent Fevers.

But this is only one side of its inestimable power of protecting those who use it regularly against all miasmatic and epidemic diseases. The Swedish Bitters has by long experience in many thousand cases maintained its great renown of being the most reliable

PRESERVATIVE AND PROPHYLACTIC REMEDY AGAINST

Typhus, Oriental Pest, Ship-Fever, Yellow-Fever,

AND

ASIATIC CHOLERA.

The superior protective and sanative virtues of the Swedish Bitters against Malarious Fevers, Dysentery and Cholera, were most apparently tested in the late wars by French and English physicians, who by prescribing the same to their respective troops, succeeded in reducing the mortality list of epidemic diseases from 15 to 1 per cent.

DIRECTIONS

☞ All persons who have to perform long and hard labor, and while doing it, are often exposed to sudden changes of temperature, or the draft of air, or obnoxious dusts, smells, or vapors, should not fail to use the Swedish Bitters, as a few drops of it, added to their drink, are sufficient to preserve them in inestimable health and vigor. Those who are accustomed to drink ice water during the summer, should never omit to add some Swedish Bitters to it.

☞ Persons given to sedentary life should use the Swedish Bitters. It will neutralize the bad effects of their want of exercise in open air, and keep them in good health and good spirits.

☞ To the Ladies the Swedish Bitters must especially be recommended, because its use contributes most essentially to preserve the regularity of the physiological functions, peculiar to the delicate female constitution and thus proves an effectual barrier against those innumerable Nervous and Blood Diseases, which now-a-days have grown so frequent as to be taken by many for Eve's natural inheritance.

☞ But the Swedish Bitters does not only secure good health; it also effects the full development of the female body, and of its beauty by perfect forms and fine complexion and color.

Thus the Swedish Bitters has become one of the safest and most efficient

COSMETIC AND TOILET ARTICLES

☞ Farmers and their families, who have tried Swedish Bitters, prefer it to all similar articles. For them it proves beneficial in various ways.

In Summer, when their calling requires them to often endure the intense heat of the sun, while performing hard work, they are induced to be not sufficiently cautious in satisfying their burning thirst by water, or in eating fruit not yet ripe, &c. Thus farming people are very liable to suffer from sun stroke, Fever, Dysentery, Cholera, &c., &c. The regular use of the Swedish Bitters makes those dangerous influences all harmless.

In Winter, during the time of rest, many country people, trying to indemnify themselves for past privations are very apt to often overload their stomachs and thus impair their digestive organs—the roots of the tree. The use of the Swedish Bitters prevents diseases from that cause.

As a matter of course, in case of sickness, the patient should avoid food not agreeing with him or such, as is known, to be difficult to digest or unsuitable to the disease in question.

The rule: "Be moderate in all you eat, drink or do," is strictly to be observed.

HOW TO TAKE SWEDISH BITTERS

The Swedish Bitters shall only be taken in the absence of inflammatory symptoms.

Grown persons take one tablespoonful three times per day, before or after meals, pure or diluted with water.

Persons under 20 years, two-thirds of that quantity
" " 15 " one-half " "
" " 8 " one-quarter " "

Children from 5 years upwards, one-eighth of that quantity.

Persons accustomed to chew tobacco, should abstain from it as much as possible, while using Swedish Bitters; they may substitute some flowers of chammomile or root of calamus, but then swallow the salvia, instead of spitting it away. In the same way smoking of tobacco should only moderately be practiced.

Persons afflicted with dyspepsia must not eat hot bread or cakes, or fat or salt meats, but should take moderate exercise in free air voiding all sudden changes of temperature, all intemperance in eating and drinking, and all undue mental excitement, by which they will contribute largely to the effectiveness of the Swedish Bitters.

N. B.—Should the Swedish Bitters not suit all tastes it may be taken with some sugar, or can be diluted with some sugar-water or syrup.

Having acquired by purchase the recipe and the exclusive right of preparing the Only Genuine Swedish Bitters, heretofore prepared by Eugene Schoening, late U. S. Army Surgeon, we have, in order to frustrate fraud and deception, the name of E. Schoening burnt into the glass of each bottle and the envelope around it marked by E. Schoening's and by our own name. Bottles without these marks are spurious.

DENIEL & CO.,

No. 405 North Third Street, Philadelphia.

Price per Single Bottle, 75 cents. Half a dozen, $4. Sold Wholesale by Johnston, Holloway & Cowden, 602 Arch Street, Philadelphia. For Sale by all druggists.