AGRICULTURAL DEPARTMENT.

Col. F. D. Curtis advises attaching a sheaf of straw to the spot in stable against which a horse kicks. "It will cure the animal of the vicious habit."

The range practice of burning the owner's brand into the skin of cattle is said to depreciate the leather value of each hide to the extent of three to four dollars.

Prof. Cook recommends planting potatoes the first year after plowing up green sward, if wireworms attack the crop. The grubs live nearly three years as larvæ.

J. S. Woodward intimates that all manure should go direct from barn to field, thus doing away with the necessity of a barn yard, reeking with filth and unpleasant odors.

S. Hollingworth, an Indiana potato grower, strongly advocates the rotation of crops as a means of avoiding the crab. He manures his crop lightly on account of this disease, which he says is increasing.

The wire netting, sold at about one cent per square foot, is the best and cheapest poultry inclosure. Tacked to a board at the ground, it can be fastened above to scantlings extending from posts which should be about eight feet apart.

The *Journal of Agriculture* says that the value of fresh eggs for tonning up a horse's system is well understood by most managers of fine horses. Farmers having good horses and very cheap eggs would do very well to break one in each horse's feed occassionally during the spring of the year.

Vast quantities of marsh lands are being reclaimed by ditching in Indiana. The work is most profitably done by dredging, work being begun at the head of the ditch, where sufficent water will soon accumulate to float a boat carrying the machinery. The work done by this machine is at the rate of 250 lineal feet per day, on a 5 foot cut 25 to 30 feet wide.

A correspondent of the *Country Gentleman* has noticed that peas and sweet corn planted in the middle of a bright, warm day, when the soil was thoroughly warmed by the sun, gained an advantage over those planted side by side, on the same day, but which were planted at night or early in the morning. These experiments, which were several times repeated, were conducted quite early in the season, before the ground was warm.

The Department of Agriculture has issued a pamphlet on "The Methods and Machinery for the Application of Diffusion to the Extraction of Sugar from the Sugar Cane and Sorghum, and for the use of Lime and Carbonic and Sulphuric Acids in Purifying the Diffusion Juices." Copies may be obtained free by addressing Norman L. Colman, Commissioner of Agriculture, Washington, D. C. The pamphlet is illustrated with 22 plates.

For vermin on cattle Hon. Warren Brown, of Massachusetts, recommends a carbolic soap which he prepares himself. He takes a pound bar of ordinary yellow soap and one ounce of carbolic crystals, dissolves the soap in hot water, adds the crystals of acid, and when the compound is cool it is excellent to rid cattle, horses and dogs of vermin; it also takes all the scurf and roughness out of the skin. The soap will harden again unless too much water is used.

The *Country Gentleman* says barn-yard manure should never be applied directly to barley, as it tends to make it bunchy, and increases fungi, and barley should never follow wheat or rye. It does very well after a well-manured, clean-hoed crop (corn or potatoes), or if a good clover sod be turned down in the fall, and the barley plowed in shallow, so as not to turn up the sod; harrow and roll; when a few inches high roll again, to settle the land and destroy insects.

Prof. Budd says that in setting trees it is always best to lean the tree toward the south at a strong angle. This may not look near so well as to set them upright, but we must pay more attention to profit to ourselves and good health for the tree in this matter. By leaning the tree to the south in this manner, sun scalding is prevented to a great extent, for the top being partly between the sun and the trunk shades and protects it from the heat; as the tops and roots are both strongest on the north side, they will gradually pull the tree back into an upright position.

W. F. Brown in the *Indiana Farmer* warns farmers against "going security," which he truly says means you assume all the risk of another man's business, with no voice in its management, and no chance to share the profits if successful, but with a certainty of loss, if from rascality, neglect or unavoidable misfortune, the maker of the note fails to pay it. Mr. Brown thinks no married man should indorse a note for anybody without his wife's consent, saying it is unjust and dishonorable to jeopardize her interest in the property accumulated by mutual labor without her knowledge, and adds that generally the woman is wiser than the man and has sense enough to refuse to imperil their hard-earned savings.

BREAKING COLTS.—The future conduct of a colt depends much upon gentle training in his first lessons of subjection. Whatever vices colts contract, through carelessness or incompetency of the breaker, will last long as they live. It behooves the trainer to be on his guard against those evil propensities that may destroy their future usefulness. In order to avoid the breakers that have wrecked the fond hopes of many sanguine breeders by destroying their favorite colts by brutal treatment, great care should be exercised in selecting a competent trainer, with an even temper and good judgment.

An Infallible Plan.

"Well, I declare I could cry my eyes out with vexation."

"What's the matter, my dear?"

"I wore my new bonnet to church, and I don't believe a single woman looked at it."

"Well my dear, I can tell you how to attract attention next Sunday."

"How?"

"Wear your last year's bonnet."—*Call.*

A First-Class Teacher.

We copy a portion of an excellent address, by the Rev. Dr. Moore, delivered in Brooklyn some time since in aid of the erection of a new building for the Aidelphia Academy.

"Having spent some of the best years of my life as an instructor, I think I may, without egotism, claim some knowledge of what a first-class teacher is worth. I think I know something about the difficulties of a teacher's profession. I know something of the delicacy of the material on which he has to work, and of the wonderful results which he is expected to produce.

I believe it requires a rarer combination of excellence for a first-class instructor than for any other profession on earth. And when you find a man who has a genuine sympathy with children especially for boys; who has the ability to enter into their feelings, into their hopes and fears and aspirations, into their pride and boyish sensitiveness, and into all the elements that go to make up a boy's life; who has the power to arouse the dormant energies in boys, and awaken their minds to healthful activity; who has the power to rightly direct these energies when awakened; who has the ability to subject boys to a thorough intellectual discipline, and at the same time call out all the finer qualities of the mind and heart, and cultivate their social effections and inspire them with noble aims and generous impulses, who has the ability lead out and symmetrically develop the power of boys and make their student life a delight, so that from day to day they shall go about their task with spring and alacrity and bounding joy, as to the choisest recreation; when you find a man so endowed that he is able to so develop the minds of boys to make them beautiful and gentlemanly in their department, the elements so mixed that when they come to manhood all shall rise up and say they are *men*—when you find such a man worth his weight in gold, but is worth it ten times over—you will find a first class teacher. And that community down in the midst of which is dropped such a teacher as that ought to get on their knees and thank the Good Giver for such a treasure.

"I speak as a practical teacher. I repeat again, that I know the difficulties which environ a teacher's work; I know how difficult and delicate that work is; and when you know the worth of a finely developed boy—when you know how his development is going to tell upon the value and wealth and blessedness of his life on earth, and perhaps in eternity, you can in some measure appreciate the worth of such a teacher. Much as a community may appreciate, and well as they may pay him for his labor, they will forever remain his debtors."

How to Cure Sleeplessness.

Says a writer in the *Fortnightly Review*: When sleeplessness is troublesome relief should be sought for in the discovery and removal of the cause, whenever possible. The condition is often due to indigestion, and, when this is the case, the ordinary remedies for inducing sleep are worse than useless. The nervous relations between the brain and the stomach are so intimate that disorder of the one organ is almost certain to affect the other. Excitement, worry, and anxiety, which have their seat in the brain, interfere with the functions of the stomach, and in like manner anything that unduly taxes the power of or irritates the stomach disorders the circulation and nutrition of the brain. The sleeplessness often complained of by gouty persons is due to the poisonous effect of the morbid material upon the nervous system. Excessive smoking, too much alcohol, tea and coffee, often resorted to by overworked persons, are frequent causes of sleeplessness. In all these cases the cause is removable, while the effect may be counteracted by appropriate treatment. Nothing is more mischievous, however, than to continue the habits, and to have recourse to drugs to combat the effects. A due amount of exercise tends to induce normal sleep, and such exercise need not be of a violent character. A walk of two or three miles daily is sufficient, and is perhaps as much as a busy man can find time for. A ride on horseback, the Palmerstonian cure for gout, is probably the best form of exercise for those whose minds are constantly at work. It has been well said that a man must come out of himself when in the saddle. He is forced to attend to his horse and to notice the objects he meets. Walking may be a merely automatic process, and afford little if any relief to the mind, and carriage exercise may be practically valueless, if the mind is not diverted from what had previously occupied it.

The Small Tenants of Ireland.

Sir James Caird states that there are 538,000 small tenants in Ireland who will be unable to pay any rent if the present low prices of produce continue. He classifies Irish holdings under nine heads, as follows: Two hundred and eighteen thousand averaging £2 rental, 106,000 averaging £7 rental, 78,080 averaging £12 rental, 46,000 averaging £18 rental, 47,000 averaging £25 rental, 24,000 averaging £35 rental, 14,000 averaging £45 rental, 24,000 averaging £75 rental, 12,000 averaging £200 rental. This makes a total of 659,000 holdings, on which the annual rent is $52,085,000. Many tenants farm two or more holdings, and Sir James estimates the number of Irish bona-fied agriculturists at 400,000.—*Chicago Tribune.*

A Really New Joke.

Wife (reading the paper)—"Well, I declare, if that isn't the querest thing I ever heard of."

Husband—"What's that?"

Wife—"Why, here in the paper is an account of a wedding up in Manchester, and among the wedding presents was a bull-terrier, given to the bride by her father."

Husband—"I don't see anything odd about that. She was the old man's youngest daughter, wasn't she?"

Wife—"Yes, but what has that got to do with it?"

Husband—"Why, of course, if she and all the rest were married, he had no further use for the dog."—*Somerville Journal.*

"Rough on Rats."

clears out rats, mice, roaches, flies, ants, bedbugs.

Heart Pains.

Palpitation, dropsical swellings, dyspepsia, indigestion, flatulence, scalding, irritation, stone, gravel, catarrh of the bladder. $1, druggists.

"Rough on Corns."

Ask for Wells' "Rough on Corns." 15c. Quick, complete cure. Hard or soft corns, warts, bunions.

"Buchu-Paiba."

Quick, complete cure, all kidney, bladder and urinary diseases, scalding, irritation, stone, gravel, catarrh of the bladder. $1, druggists.

Bed-Bugs, Flies.

Flies, roaches, ants, bed-bugs, rats, mice, gophers, chipmunks, cleared out by "Rough on Rats." 15c.

This People

"Wells' Health Renewer" restores health and vigor, cures dyspepsia, impotence, sexual debility. $1.

"Rough on Pain."

Cures cholera, colic, cramps, diarrhœa, aches, pains, sprains, headache, neuralgia, rheumatism. 25c. Rough on Pain Plasters, 15c.

Mothers.

If you are failing, broken, worn out and nervous, use "Well's Health Renewer." $1. Druggists.

Life Preserver.

If you are losing your grip on life, try "Wells' Health Renewer." Goes direct to weak spots.

"Rough on Piles."

Cures piles or hemorrhoids, itching, protruding, bleeding, internal or other. Internal and external remedy in each package. Sure cure, 50c. Druggists.

Pretty Women.

Ladies who would retain freshness and vivacity, don't fail to try "Well's Health Renewer."

"Rough on Itch."

"Rough on Itch" cures humors, eruptions, ringworm, tetter, salt rheum, frosted feet, chilblains.

"Rough on Catarrh."

Corrects offensive odors at once. Complete cure of worst chronic case, also unequaled as purgle for diphtheria, sore throat, foul breath. 50c.

The Hope of the Nation.

Children, slow in development, puny, scrawny and delicate use "Wells' Health Renewer."

Catarrh of the Bladder.

Stinging, irritation, inflammation, all kidney and urinary complaints cured by "Buchu-Paiba." $1.

"Water Bugs, Roaches."

"Rough on Rats" clears them out, also bedbugs, ants.

ADVERTISERS by addressing GEORGE P. ROWELL & CO., 10 Spruce St., New York, can learn the exact cost of any proposed line of Advertising in American Newspapers. ☞100-page pamphlet, 10c

CONSULT Dr. La Berge, Dr. DeBUTTS

PHILADELPHIA, PA.

Graduate of the Medical Department of Yale College. Established 1847. Long Established, Reliable and Honest. Nervous Debility, Impotency, Organic Weakness, Gonorrhœa, Syphilis and Seminal Affections, Gleet, Stricture, Varicocele, safe and sure remedies. Infallible Treated. Call or write for list of questions to be answered by those desiring treatment by mail. (If treating by mail the following course should send their address.) And learn something to their advantage. It is not a trade. Address Dr. C. L. LaBerge, Free Fund Physician to Charge Medical Bed, 8 Sure Institute, 940 Locust St., St. Louis, Mo. Consult Dr. Butts Dispensary. Established 50 Years.

KNABE

PIANO-FORTES.

UNEQUALLED IN

Tone, Touch, Workmanship & Durability.

WILLIAM KNABE & CO.

Nos. 204 and 206 West Baltimore Street, Baltimore. No. 112 Fifth Avenue, New York.

IMMUNITY from ANNOYANCE

"PEARL TOP" LAMP CHIMNEY

PEARL TOP

Pat. Oct. 30th, 1883.

Made only of the finest and best quality of Glass for withstanding heat.

Every good thing is Counterfeited, and consumers are CAUTIONED against IMITATIONS of these Chimneys made of VERY POOR GLASS. See that the exact label is on each chimney as above. The Pearl Top is always clear and bright Glass.

Manufactured ONLY by

GEO. A. MACBETH & CO.,

Pittsburgh Lead Glass Works.

FOR SALE BY DEALERS.

BILIOUSNESS.

Bilious symptoms invariably arise from indigestion, such as furred tongue, vomiting of bile, giddiness, sick headache, irregular bowels. The liver secretes the bile and acts like a filter or sieve, to cleanse impurities of the blood. By irregularity in its action or suspensions of its functions, the bile is liable to overflow into the blood, causing jaundice, sallow complexion, yellow eyes, bilious diarrhœa, a languid, weary feeling and many other distressing symptoms. Biliousness may be properly termed an affection of the liver, and can be thoroughly cured by the grand regulator of the liver and biliary organs, BURDOCK BLOOD BITTERS. Act upon the stomach, bowels and liver, making healthy bile and pure blood, and opens the culverts and sluiceways for the outlet of disease. Sold everywhere and guaranteed to cure.

STEIN'S AFETY TOCKING UPPORTER

NO MORE BLOOD-STRANGLING GARTERS.

RECOMMENDED BY ALL THE LEADING PHYSICIANS.

Children's, 1 to 5 years,	8c. a pair.
ditto, two attachments,	10c. "
Misses' " "	12c. "
Ladies' " "	15c. "
Misses', with a belt, "	20c. "
Ladies', " " "	25c. "
Stocking, Abdominal, and Catamenial Bandage Supporter combined,	50c. "
Health Skirt Supporter,	25c. "
Brighton Gent's Garter,	15c. "

FOR SALE BY ALL FIRST-CLASS STORES.

Samples sent post-paid to any address upon receipt of price in 3-cent stamps.

LEWIS STEIN,

Sole Owner and Manufacturer,

178 Centre Street, New York.

CONSUMPTION

I have a positive remedy for the above disease; by its use thousands of cases of the worst kind and of long standing have been cured. Indeed, so strong is my faith in its efficacy, that I will send TWO BOTTLES FREE, together with a VALUABLE TREATISE on this disease, to any sufferer. Give Express and P. O. address. DR. T. A. SLOCUM, 181 Pearl St., N.Y.

WEAK, NERVOUS AND DEBILITATED MEN

and Women seeking health, strength and energy, should avoid Drugs, Secret Medicines, etc., and send for "The Review," or "Health and Strength Regained," a large Illustrated Journal, published entirely for their benefit.

ADVICE TO INVALIDS. HEALTH AND STRENGTH REGAINED.

COPIES FREE.

YOUNG AND MIDDLE AGED MEN, and others who suffer from nervous and physical debility, Animal Magnetism, premature decline, etc., are especially benefited by the contents. Everything such sufferers wish to know is fully given in this work. If in need of medical advice or counsel, read it before "doctoring" or investing in medicine or appliances of any description, but you will save time, money and disappointment. Using medicine or medical treatment of any kind, read it and learn the better way.

THIS REVIEW exposes the frauds practiced by quacks and medical impostors, who profess to "practice delusions," and points out the only safe, simple and effectual means to health, vigor and buoyancy.

Electric Belts and all curative appliances are treated upon; all about them—which are genuine, which are bogus, which are useless, and others by the advice given. Exposes many frauds and delusions practiced upon the sick and suffering, and gives much valuable information which may be worth many times the price of the work to any person. Sent on receipt of postage, 10 cents. Address, HEALTH REVIEW, 1164 Broadway, New York.

Publishers REVIEW, 1164 Broadway, New York.

☞ Apply now or preserve our address, as you may not see this notice again.

CLUBS SAVED

THE GREAT CHINA TEA CO

Give away as premiums to those forming clubs for the sale of their TEAS and COFFEES, WHITE SETS, Tollet Sets, Silverware, Watches, etc. TEA SETS of 46 and 49 pieces with $10 and $13 Orders. Decorated TEA SETS of 44 and 56 pieces with $18 and $19 orders. SILVER-WARE, SWISS WATCHES with $15 orders. GOLD HAND or Moss Rose Tea Sets of 44 pieces, or White Dinner Sets of 112 pieces, with $30 orders. Send us your address on a postal card and receive our Illustrated Price List, Club Rules and Catalogue. THE GREAT CHINA TEA CO., 210 STATE ST., BOSTON, MASS.

AGENTS WANTED.

50 Enterprising Young Men Wanted Immediately. Good wages, steady work. Outfit free. Address J. AUSTIN SHAW, Nurseryman and Seedsman, Rochester, N. Y.

POMONA FOR HOME IN EVERY TOWN. Quick Sales; 100 per cent profit, no capital required. Address Ben Samuelson & Co., 232 Broadway, Albany, N. Y.

SEND 50 CTS. for three months' subscription to THE LYRE AMERICAN, an illustrated paper, and get prescription recipe, and you will not regret it. Address, T. S. ARTHUR, Philada., Pa.

WANTED—Agents to sell the Best & Cheapest Steam Cooker. Price $1. Pickett Steam Cooker Co., Rochester, N. Y.

AGENTS For a new, profitable & permanent business paying 25% to $250 a month, address Wilmot, Cantrell & Co., Rochester, N. Y.

15 FRENCH HIDDEN NAME CARDS, 10 cents. Clinton Bros. & Co., Nassau, N. Y.

AGENTS WANTED—Men and Women, Boys and Girls—to sell the celebrated SWEDISH INSECT POWDER. Large Declamation of Handbill, Sample, Circulars, Jars, Flasks, Flags, Mottoes, Transparencies, Lithographs, etc. Big Money for Live Agents. Address or call on SWEDISH INSECT POWDER CO., Pittsburgh, Pa.

IF YOU WANT TO KNOW

1,001 Important things you never know or thought of about the human body and its curious laws. Your life is a physical, health and happiness to you. How to avoid disease and deformity, ignorance and deception, how to avoid abuse, how to get forms of beauty. How to avoid Old Maids, Bachelors, Widows, Widowers, Single and married people, how to avoid marriage, how to avoid pregnancy, how to prevent offspring, how to avoid the consequences of sexual abuse, how to get married, how to be healthy, happy and prosperous. SEND 50 CTS. FOR PRIZE BLOOM and PARTICULARS. Harvey Bill Pub. Co., 129 E. 28th St., New York.

WEAK MEN!

Young Men, Middle Aged Men, Old Men, Men everywhere, Men everywhere, Men everywhere