An experiment is being made in Chicago with a new heater for tram-cars. The heater consists of a brass cylinder about six inches in diameter and about two feet long, which is filled with coal oil under a strong spring presure. The cylinder is fastened horizontally under-neath the centre of the car. The oil is forced into a small super-heater, where it is vaporised. In the floor of the car is a box of fire-clay, surmounted with an iron drum about eight inches in diameter, the fire-box and the drum being set in a sheet-iron jacket. In the floor of the car is inserted an iron grating. Inside the car the grating is the only visible evidence of the heating appliance, all of the apparatus being be low the floor. There is no blaze whatever, but the fire-clay is heated to a white glow. A strong draught of cold air coming from below passes over the are-clay around the drum and into the car. The Cable Car Company of Chicago has given an order to supply all its cars with the heater. The cost of heating a car is estimated at from twentyave to thirty-five cents for twenty-four

Plating with celluloid or zylonite is a very difficult process, and many of the details of such manufacture are patented. The articles require to be heated to melt the celluloid and make a contact while the thin celluloid sheet is pressed to the surface. The surface of the celluloid when cold requires finishing and pelishing much in the manner of ivory. It easily takes fire, and is considered a dangerous article to handle near fire.

Color the whiskers a handsome brown or black with Buckingham's Dye for the Whiskers.

If the liver is disordered, the whole system suffers. Ayer's Pills correct this trouble.

Oats is better winter feed for sheep than corn.

Stop that Cough, that tickling in the throat! Stor that Consumptive Condition! You can be cured! You can't afford to wait! Dr. Killmer's Cough Cure [Consumption Od] will do it quickly and permanently. 25 cents.

There is a drain of 50,000,000 acres ap in the forestsof California everyyear.

A Druggist's Story. Mr. Isaac C. Chapman, Druggist, Newburg, N. Y., writes us: "I have for the past ten years sold several gross of DR. WILLIAM HALL'S BALSAM FOR THE LUNGS. I can say of it what I cannot say of any other medicine, I have never heard a customer speak of it but to praise its virtues in the highest manner. I have recommended it in a great many cases of Whooping Cough, with the happiest effects. I have used it in my own family for many years; in fact, always have a bottle in the

How many mourners are necessary at gists. the wake of a ship?

medicine closet."

I HAVE been afflicted with catarrh for 20 years. It had become chronic, and there was a constant dropping of mucous matter from the roof of my month. It extended to my throat, causing hoarseness and great difficulty in speaking, indeed for years I was not able to speak more than thirty minutes, and often this with great difficulty. I also, to a great extent, lost the sense of hearing in the left ear, and of taste. By the use of Ely's Cream Ba m I have received more relief than from all other remedies beside. All dropping of mucous has ceased and my voice and hearing are greatly improved .- Jas. W. Davidson, Attorney at Law, Monmouth, Warren Co., Ill.

When the state is most corrupt then the laws are most multiplied.

No doubtful ingredients to do harm. Fresh Hops, Burgundy Pitch and Gums in Hop Plaster.

It doth not become a law-maker to become a law-breaker.

THE Indians have at last made a rapid and gigantic-stride towards civilization. They advocate the use of Carboline, the great Petroleum Hair producer; it gives them an additional chance to collect scalps.

without a cure.

The claims as to the curative powers of Hood's Sarsaparilla are based entirely on what the people say it has done for them. Send to C. I. Hood & Co., Lowell, Mass., for a book containing statements of many remarkable cures by Hool's Sar-

Too much unportance is self-import-

THE GRAND SECRET of female beauty is health-the secret of health is the power 50 cents by druggists. 60 cents by to est, digest and assimilate a proper quantity of wholesome food. Take VINEGAR BITTERS. It will cleanse the its by their qualifications, but by the stomach, tone the vital organs, give a perfect digestion, purify the blood, clear up the complexion, and produce a state of genuine female loveliness, with which no cosmetic can compare.

Let amusement fill up the chinks of your existence, but not the great space

Frazer Axie Grease. Use the Frazer Axle Grease, 'tis the best in the world-will wear twice as long as any other. Ask your dealer for it, and take

Truth is simple, requiring neither study nor art.

Important. When you visit or eave New York City, save aggage expressage and \$5 carriage Hire, and stop the Grand Union Hotel, opposite Grand Centilleson.

che Grand Union Hotel, opposite Grand Centri Depot,

pelegant rooms, fitted up at a cost of one milion dollars, \$1 and upwards per day, European Plac. Elevator, Restaurant supplied with the best. Horse cars, stages and elevated railroad to all depots, Families can live better pr less money at the Grand Union Hotel than at any other drst-class hotel in the city.

Mortgage is Latin for "death grip."



Beware of Scrofula

Scrofula is probably more general than any other disease. It is insidious in character, and manifests itself in running sores, pustular eruptions, boils, swellings, enlarged joints, abscesses, sore eyes, etc. Hood's Sarsaparilla expels all trace of scrofula from the blood, leaving it pure, enriched, and healthy.

"I was severely afflicted with scrofula, and for over a year had two running sores on my neck. Took five bottles of Hood's Sarsaparilla, and consider myself cured." C. E. LOYEJOY, Lowell, Mass.

C. A. Arnold, Arnold, Me., had scrofulous sores for seven years, spring and fall. Hood's Sarsaparilla cured him.

Salt Rheum

William Spies, Elyria, O., suffered greatly from erysipelas and salt rheum, caused by handling tobacco. At times his hands would crack open and bleed. He tried various preparations without aid; finally took Hood's Sarsaparilla, and now says: "I am entirely well." "My son had salt rheum on his hands and on the calves of his legs. He took Hood's Sarsaparilla and is entirely cured." J. B. STANTON, Mt. Vernon, Ohio.

Hood's Sarsaparilla Sold by all druggists. \$1; six for \$5. Made only by C. I. HOOD & CO., Lowell, Mass. 100 Doses One Dollar,

THE YOUNG CHICKS .- Keep the young chickens in dry quarters, particularly at night. Cheap, temporary sheds suitably disposed around the yard, will be a great advantage, furnishing a refuge from the noonday sun as well as the sudden shower.

A new balloon, constructed by the Mendon eronauts will be directed, by a steam engine. Electricity will be given up owing to its want of power for continuous action. A velocity of six metres per second has been obtained.

"Be wise with speed; A fool at forty is a fool indeed!"
So said Young. Straws show which
way the wind blows, and there are a score of symptoms any one of which shows the existence of catarrh. Neglected, it will rob the blood of its purity and the system of its strength. Get Dr. Sage's Catarrh Remedy. It cures even long-standing cases, as thouands testify, and should be used for colds in the head, which often result in confirmed

Right is the basis for independence.

O, it was Pitiful !" Of course it was! He tried one remedy after another, and finally gave up and died, when his life might have been saved by takwhen his hie might have been saved by tar-ing Dr. Pierce's "Golden Medical Discov-ery"—the great "Consumption Cure"— which, if promptly employed, will soon subdue all threatening symptoms, such as cough, labored breathing, night-sweats, spitting of blood, etc., and restoring waning strength and hope, effectually stop the poor consumptive's rapid progress graveward. Is it not worth crying? All drug-

Remember this: However small you consider your possessions, there is someone who envies you them.

Its thousands of cures are the best advertisement for Dr. Sage's Catarrh remedy.

Habit is ten times nature.

Dr. Emil Selp, of Detroit, Mich, writes Practicing for 34 years I never yet saw a better purging pill, in the market, than St. Bernard Herb Pills, and I recommend the same to a suffering humanity in general. This pill has the good property of acting directly on the liver and removing all acids and mucus in an easy way and thus cleansing the blood.

Silence is an ornament to the wise. So much the more so to fools,

If you need a perfect tonic or a blood purifier, take Dr. Jones' Red Clover Tonic. It speedily cures all troubles of the stomach, kidneys and liver. Can be taken by the most delicate. Price 50 cents.

A beautiful smile is to the female countenance what the sunbeam is to the landscape; it embellishes an inferior face and redeems an ugly one.

MEMSMAN'S PEPTONIZED SEEF TONIC, the only The Indians have at last made a applied and gigantic-stride towards civilization. They advocate the use of Carboline, the great Petroleum Hair producer; it gives them an additional hance to collect scalps.

Law without justice is as a wound MESSMAN'S PETONIZED ERRY TONIC, the only preparation of beef contains blood-making, force generating and life-sustaining properties; invainable for indigestion, dyspepsia, nervous prostration, nervous prostration, over-work or acute disconnected in the properties of the properties and life-sustaining properties; invainable for indigestion, dyspepsia, nervous prostration, over-work or acute disconnected in the properties. It contains blood-making, force generating and life-sustaining properties; invainable for indigestion, dyspepsia, nervous prostration, nervous prostration, over-work or acute disconnected in the properties. It contains blood-making, force generating and life-sustaining properties; invainable for indigestion, dyspepsia, nervous prostration, nervous prostration, vertically it resulting from pulmonary complaints. Caswell, Hazard & Co., proprietors, New York. Sold by draggists.

The injury of prodigality leads to this -that he who will not economize will have to agonize.

SOUGHT FOR the last hundred years. -A remedy for Catarrh, Hay Fever and Cold in the Head, found at last in Ely's Cream Balm. Safe and pleasant to use, and easily applied with the finger. It gives relief at once and a thorough treatment positively cures. mail. Ely Bros., Owego, N. Y.

We ought not to judge of men's meruse they make of them.

CONSUMPTION CURED. An old physician, retired from practice, having had placed in his hands by an East India missionary the formula of a simple vegetable remedy for the speedy and permanent cure of Consumption, Bronchilis, Catarrh, Asthma, and all Throat and Lung Affections, also a positive and radical cure for Nervous Debility and all Nervous Complaints, after having tested its wonderful curative powers in thousands of cases, has felt it his duly to make it known to his suffering fellows. Actuated by this motive and a desire to relieve human suffering, I will send free of charge, to all who desire it, this recipe, in German, French or English, with full directions for preparing and using. Sent by mail by addressing with stamp, naming this paper, W. A. Noyes, 149 Power's Block. Rochester, N. Y.

The manly part is to do with might and main what you can do.

FITS: All Fits stopped free. Treatise and \$1 trial bottle of Dr. Kline's Great Nerve Restorer' free to Fit cases. Send to Dr. Kline,931 Arch St., Palla, Pa. Sensible men show their sense by say-

ing much in a few words. Hop Porous Plasters are sold by all druggists and country merchants. The best in the world.

Self-love is more cunning than the most cunning man in the world.

Patent Corset Shoes Strengthen and support the ankles. For infants learning to walk they are invaluable. Send for catalogue. Nathan's, 21 6th Ave., New York. Jealous is always born with lovebut does not always die with it.

Relief is immediate, and a cure sure. Piso's Remedy for Catarrh. 50 cents.

DELICATE young ladies, whom often the slightest exertion tires, will find that a little time regularly spent in the garden will have a favorable effect upon them. Devote the first part of the morning, or an hour before sunset, to your garden. Commence with what seems the most pleasant work-tying a climbing vine against the porch, cutting off the fading flowers, or raking a flower-bed; but do not tire yourself out in the beginning; better to work only five minutes at a time than become fatigued and discouraged. With your interest your strength will increase, your drooping spirits revive, and the blush of your roses become reflected upon your cheeks.

Ropy milk is ascribed to several causes, but bad food, which disturbs the cow's health, is the most frequent cause. The trouble however produced, may generally be remedied by a dose of sixteen ounces of epsom salts and a daily dose of hypophosphate of soda for

BEE SMOKERS .- Cotton rags, wound up into small rolls, and tied at short intervals to prevent unrolling as each the burns off, are recommended for use either with or without the bellowssmoker, in working with bees in cer-

A QUESTION ABOUT Brown's Iron Bitters

ANSWERED. The question has probably been asked thousands of times. "How can Brown's Iron Bitters cure everything?" Well, it doesn't. But it does cure any disease for which a reputable physician would prescribe 1808 Physicians recognize Iron as the best restorative agent known to the profession, and inquiry of any leading chemical firm will substantiate the assertion that tibere are more preparations of iron than of any other substance used in medicine. This shows conclusively that iron is acknowledged to be the most important factor in successful medical practice. It is, however, a remarkable fact, that prior to the discovinvester, a remarkable fact, that prior to the discourse of BROWN'S IRON BITTERS no perfectly of BROWN'S IRON BITTERS no perfect of the prior bean four beautiful by the prior by the prior

BROWN'S IRON BITTERS headache, or produce constipation—all other from medicines do. BROWN'S IRON BITTERS cures Indigestion, Billousness, Weakness, Dyspepsia. Malarin, Chills and Fevers, Tired Feeling, General Debility, Pain in the Side, Back or Limbs. Headache and Neural-gia—for all these silments Iron is prescribed daily. BROWN'S IRON BITTERS, however, do

minute. Like all other thorough medicines, it acts slowly. When taken by men the first symptom of benefit is renewed energy. The muscles then become firmer, the digestion improves, the bowels are active. In women the effect is usually more rapid and marked. The eyes begin at once to brighten; the skin clears up; healthy color comes to the cheeks; nervousness disappears; functional derangements become regular, and if a mursing mother, abundant sustenance is supplied for the child. Remember Brown's Iron Bitters in the ONLY iron medicine that is not injurious. Physicians and Druggists recommend it.

The Genuine has Trade Mark and crossed re on wrapper. TAKE NO OTHER.



What are the Primary Causes? Colds, Chronic Cough, Bronchitis, Conges-ion, Inflammation, Catarrh or Hay-Fever Asthma, Pneumonia, Malaria, Measles RELIEVES QUICKLY-CURES PERMANENTLY It will stop that Coughing, Tickling in Throat, Dry-hacking and Catarrh-dropping. Is your Expectoration or Sputa

Frothy Blood-Stained Catarrhal
Pus (Matter) Yellowisk Canker-10se
Phlegm Tuberinilar Muco-purulent?
It prevents Decline, Night-Sweats, Hectic-Fever, and Death from Consumption.
25c, 50c, \$1.00—6 bottles \$5.00. "Invalide Guide to Health" (Sent Free). CONTRACT DESCRIPTION OF THE PARTY OF THE PAR

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20 YEARS' EXPERIENCE. Guarantees to cure, the afflicted and unfortunate with Purely Vegetable Medicines. Book on special diseases free; send for it. Advice free and strictly confidential, Office hours, 11 A. M. to 2 P. M., 7 P. M. to 10 P. M. Treatment by mail.

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The Original and Only Genuine. Safe and always Reliable. Reware of worthless Immitations. Indispensable to LADIES. Ask your Druggist for "Chichester's English" and take no other, or inclose 4c (stamps) four for particulars in letter by return mail. NAME PAPER.

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RUPTURE B. Mayer, the encossful pooperation of delays from beatings, tested by hundreds of cures Mill Office, 341 Arch 42, Palls, Hours from 9 A. M. to 4 P. M., at 2721 North Fifth St., 6 to 1 STOPPED FREE













SEVERAL STORIES ABOUT HARD CIDER.—The big apple crop and confequent overflow of cider enables the Willington farmer to pass an unusually gleeful winter, and a correspondent relates these cider anecdotes: Uncle Enos, after a round of calls on a recent frosty day, brought up at night at the house of a relative, and asked in an unsteady voice for a glass of cider to help him up the hill. "No, Uncle Enos," said the woman of the house, "you have had eider enough to-day, but any thing that I have that you would like to eat you are welcome to." "Well, Eliza," said the old man, "I know you won't go back on your word, and I'll take a bowl of bread and cider." Another old farmer took to visiting the cellar so often that a domestic wrapped herself in a sheet and stationed herself near the long row of cider-barrels in the cellar. The old man, with cider mug and tallow dip in hand, started at first sight of the ghostly visitor, but, gathering himself together, he ejaculated, in-coherently: "I ain't afraid on ye, Ye can't hurt me-I've got a son in the legislature!"

THE COST OF A BUSHEL OF CORN. There is a statistician about the Palmer House who desires to impress everybody with economic facts. Said he recently. "Do you see that man over there? Well, he's a farmer down near There he goes with a friend; Elgin. they're going to get a drink. The farmer will pay for it. Now, let me see. That man will sweat two mortal hours for two drinks. Therefore, the farmer and the corn have parted. Now, let and the corn have parted. Now, let ment and improving. I wish you a continuame tell you what becomes of the corn.

A bushel of corn makes seventeen yours, WM. B. CHALFANT. A bushel of corn makes seventeen yours, quarts of whisky—four-and-a-quarter gallons. The distillery gets its first profit—40 cents a gallon. There you are; \$2 for that bushel of corn. Now the Government comes in, 90 cents a gallon—\$3.85 added to the \$2 makes lon-\$3.85, added to the \$2, makes \$5.85. That brings the product of the bushel of corn down to the jobber and the wholesaler and, finally, by several stages, to the retailer. By the time it reaches the latter the bushel of corn or its product of four and-a-quarter gallons has been reduced one-half, which means eight and a half gallons. There are sixty drinks to the gallon-that is the average-eight and a half gallons mean 270 drinks at 15 cents eachthere we have \$46.35 as the consumer's price for a bushel of corn which the farmer raises and sells for 30 cents. Who says there is not industry in this country? But the farmer we saw just now spent his whole bushel of corn in the price of two drinks, and the people who do not till the soil got away with \$46,35.

A CORRESPONDENT of the Woodworker says about fastening a belt, 'After quite a good experience with a great many ways of joining, I must say hat above all others I prefer lapping and riveting, and I will give my reasons therefore. First and above all other things, a riveted joint is the cheapest. I don't mean cemented and riveted, but lapped and riveted, taking care to skive nicely, so that the joint will not be clumsy, making the scarf according to the size of the belt. Do not scarf the ends down too thin; if you do, the rivets will be likely to tear out. A little practice in this style of fastening a belt will make you do a nice job, and if you once get used to it I will warrant that you will never use any other method. It takes no more time, if as much, as it does to either lace or hook a belt with any device I have ever seen, and I have seen a great many. This style of fastening should be used all over the mill, whether driving belts or not."

BAD EFFECTS FROM SOWING IN WET SOIL,-Experiments made in sowing a row of peas very early in the spring, when the soil was in a very pasty condition from wetness, resulted in failure, a few plants only showing above ground, and these never became robust. Seed of the same lot was later sown in dry ground, at a seasonable time, and a strong growth, seemingly a plant from every seed, and a heavy crop was the result. In germination seeds need air as well as moisture, and without the former in due quantity, rot must ensue. In the desire to have the garden started early, no doubt much seed is often spoiled by injudicious planting in the wet. Often the seeds-man is accused of furnishing bad seed, when the cause of failure lies wholly in the sowing.

WOOD ASHES FOR TREES .- Many persons waste ashes, not knowing their great value for fruit-trees of all kinds, as well as for nearly or quite every crop grown in garden or field.



A FACT. ACTINA, THE GREAT EYE RESTORER PROF. WILSON, INVENTOR.

ONE TREATMENT PREE. after using Actina, PROF, WILLIAM C. WILSON, 1113 Chostnut Street, Phila

Read the Testimony of Rev. Wm. B. Chalfant, a well-known Clergyman of Phila. PARTICADELPHIA, PA., January 13, 1886,
Pastor's Study, Messiah M. E. Church.
My DEAR Sir.—I feel that I ought to make
known my experience with Prof. Wm. C. Wilson's "ACTINA" BATTERY, not only in justice to him, but also that the afflicted may learn where to look for a remedy for serious and obstinate diseases. For five years I have been suffering with great distress in my head, resulting at times in complete incompetency for work; this, together with a throat trouble causing boarseness, rendered speaking not only laborious and painful to myself, but un-pleasant to my congregation. I have used your "ACTINA" since the 25th of November, 1885. My voice is fully restored, and since using your instrument and wearing your garments I have not experienced any distress whatever in my head. Have worked 16 to 18 hours out of the 24 for the last five weeks, and never felt next spring to plow enough ground to better in my life. My wife is also wearing the raise one bushel of corn. That bushel Garments and using the "ACTINA," and finds of corn he will sell for 30 cents. He is going in there now to spend the 30 cents for two drinks. Therefore, the farmer an attack of scarlet fever, is using your instru

Agents wanted in every City of the Umon.



Vinegar Elitters, aparpative and tonic, purifies the blood, strengthens the liver and kidneys, and will restore

blood, strengthens the and kidneys, and will restore health, however lost.

Vinegar Bitters is the best remedy discovered for promoting digestion, caring headache and increasing the vital powers.

Vinegar Bitters assimuted by the compact and bow-Vinegar Bitters assim-flates the food, regulates the stomach and bow-els, giving healthy and natural sleep. cla, giving healthy and natural sleep.

Vinegar Hitters is the great disease preventer, and stands at the head of all family remedica. No house should ever be without it. vinegar Eliters cures Malarial, Bilious and other fevers, diseases of the Heart, Liver and Kidneys, and a hundred other painful disorders.

Send for either of our valuable reference books for ladies, for farmers, for merchants, our Medical Treatise on Diseases, or our Catechism on Intemperance and Tobacco, which last should be in the hands of every child and youth in the country.

Any two of the above books mailed free on eccipt of four cents for registration fees. R.H. McDonald Drug Co., 532 Washington St., N. Y.



"We know a gentleman in this county who, six months ago, was almost a hopoless cripple from an attack of rheumatism. He could scarcely hobble across the room, us at cruiches, and said himself that he had little if any hope of ever recovering. We saw him intour town last week, walking about as lively as any other man, and in the finest health and spirits. Upon our inquiry as to what had worked such a wonderful change in his condition he replied that S. S. S. had carred him. After using a dozen and a half bottles, he has been transformed from a miserable cripple to a happy, healthy man. He is none other than Mr. E. B. Lambert,"—"Sylvania Telephone."

Treatise on B'ood and Skin Diseases mailed free. THE SWIFT SPECIFIC Co., Drawer 3, Atlanta, Ga., or 157 W. 23d St., N. Y.

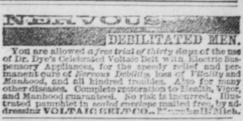


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THMA CURED! of Druggists or by mail. Sample FHEE DR. R. SCHIFFMAN, St. Paul, Mi

PATENTS Obtained, Send stamp for Guide, L. BINGHAM, Patent Lawyer, Washington, D. C. The Acme contains 114 American SONGS

Also, 100 Songs of the Day, including "Walt all Clouds Roll By," "Spring Tuss and Rolling "Walt all Clouds Roll By," "Spring Tuss and Rolling have Come, "Climbing up de Golden Stairs," "Peek-a-Boo!" "When Hobiasa Nest Again," "Til Awalt My Love," etc. Hesth Books, and cata, logues of music, noveliles, etc., Trese, on receipt of 12c. N. U. "MELFET, 43 Washington St., Boston, Masse.



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