

HOIT'S SCHOOL FOR BOYS.

(TERM COMMENCES AUGUST 15th.)
An excellent institution, beautifully situated at Burlingame, San Mateo County, Cal. Having had occasion to investigate the management and methods of Hoit's School, we are satisfied that for careful supervision of boys and thorough moral, mental and physical training it has no superior. It has fairly earned its increasing popularity. —S. F. Evening Post.

She—Every time one of us girls gets married father plants a tree on his estate. He—A much better plan would be for him to plant a house there.—Life.

We dislike a man who does two cents worth of joking in transacting one cent's worth of business.

Many a man is very liberal in buying whisky who does not pay for the meat and bread his children eat.

IF REMOTE FROM MEDICAL HELP.
Doubtless essential to you should be provided with some reliable family medicine. Hostetter's Stomach Bitters is the best remedy for indigestion, constipation and biliousness, and affording safe and speedy relief in many cases, rheumatism and acidity of the kidneys.

Mabel—And to be had the assurance to demand that you marry him. What did you say? Elsie—I told him the supply was not equal to the demand.

I shall recommend Pilo's Cure for Consumption far and wide.—Mrs. Mulligan, Plumstead, Kent, England, Nov. 8, 1895.

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is the name of the

S. H. & M.

REGISTERED TRADE MARK

BIAS VELVETEEN SKIRT BINDING

that is rainproof and sheds water. It wears like the other S. H. & M.'s and does not turn gray like the cheap kinds. Put it on your traveling and sea-side gowns.

If your dealer will not supply you we will.

Samples showing labels and materials mailed free.

Home Dressmaking Made Easy, a new 72 page book by Miss Emma M. Hooper, of the Ladies' Home Journal, giving valuable points, mailed for 25c.

S. H. & M. Co., P. O. Box 699, N. Y. City.

CANCERS AND TUMORS.

The greatest discovery of the age. An infallible remedy for cancers and tumors, both internal and external, and after two and three operations. Cancer of the stomach readily cured. Thirty years experience. All remedies purely vegetable. The best of references.

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SURE CURE FOR PILES

Dr. B. S. ROSS'S PILE REMEDY, a purely vegetable compound, cures all cases of piles, hemorrhoids, etc. B. S. ROSS, 1111 Market St., San Francisco, Cal.

ONE OF THE QUEEREST OF LAKES.

A Puzzle to Geologists in the Blue Grass Region of Kentucky.

Sinking creek, in the northwestern part of this county, is not a running stream or creek, as one would imagine from its name, but it is a large lake, which forms only in the spring of the year, when thaws and rainfall produce an overabundance of water. The formation of a lake covering over 200 acres of land and sometimes over 300 comes with the suddenness of a rise in the Mississippi river.

The lake is formed in a hollow entirely surrounded by gradually inclined hills of blue grass fields and meadows. These hills are at first imperceptible to the eye on account of the gradual and even slope of the surrounding country. A closer examination of the country shows that for miles around it all gradually inclines to the place where the springtime lake forms, but the place itself is merely a slightly rolling tract of land, over which various ferns, trees and shruberies are seen. As the lake depends on the rainfall for its supply of water, it is larger some years than others and has been known to cover 350 acres of land and the water all the way from 5 to 30 feet deep. This body of water is a veritable Mecca for duck hunters at the time of the year when ducks pass through Kentucky on their way to the northern lakes.

There is no outlet above the earth in the way of a creek or hollow. There is no cave or sink hole on any of the land which is covered by water through which the water may escape. Yet within one month this immense amount of water disappears. After the disappearance the earth which is covered, instead of being a wet, marshy place, as is the case of an ordinary springtime rise in water, is a beautiful, fertile, blue grass vale, over which blooded Kentucky stock roam during the summer months and fatten on the rich pasturage. No appearance of a marsh or water weeds, etc., is found after the lake has gone.

Exactly what causes the "sinking" of the lake has never been determined, although various geologists have visited the scene. It is a well known fact that quicksilver thrown into a pond or lake will cause it to sink, and it is claimed that the water forming this lake, as it is drained down this surrounding hills, brings with it a composition of some kind similar to mercury or quicksilver in its action on sinking a lake, and that this is the key to the mystery of Sinking creek.—Nicholsville Letter in Cincinnati Enquirer.

A fat French lady despairingly says, "I am so fat that I pay for a disappointment to make me thin, but no sooner does the disappointment come than the joy at the prospect of getting thin makes me fatter than ever."



Improving the Telescope.

Prof. C. S. Hastings, of Yale, has devised a method of shaping and combining two lenses of ordinary optical glass in such a manner as to do away with the outstanding color due to chromatic aberration, which has always been a source of more or less trouble, even in the best of modern telescopes. It is estimated that the improvement will increase the effective power of telescopes about 10 per cent.

Odors and Photography.

Every photographer knows that singular differences exist in the actinic action of light on succeeding days which, so far as general appearances go, seem to be equally favorable for photographic purposes. This may be partly explained by the recent discovery by Monsieur Declaux of Paris, that the odors arising from vegetation and disseminated through the air diminish the actinic power of the solar radiations which reach the surface of the ground.

Texas Sulphur.

The best known sulphur deposits in the world are those of Sicily, but according to Mr. Eugene A. Smith, of the University of Alabama, Texas may possibly enter the field as a producer of commercial sulphur. The deposits examined in Texas are situated in a large basin some forty miles northwest of Pecos, but others are said to exist both to the west and north of this locality.

The nearest railroad is twenty miles from the sulphur basin, and the surrounding country contains no fuel and very little surface water.

A Hiding Place.

Many insects and other members of the animal kingdom mimic the forms and colors of plants and other natural objects, for the supposed purpose of concealment from enemies, but it is rare to find a similar peculiarity in plants. An instance of this, however, has been noticed at the Cape of Good Hope, where a species of mesembryanthemum, or fig-marigold, so closely resembles the stones amid which it grows, both in color and form, that it frequently escapes the attention of cattle and other browsing animals. South Africa presents other instances of what is called protective mimicry in plants.

Ingenious Chimpanzees.

A recent report by Prof. O. P. Cook on colonization in Liberia gives some interesting facts about the chimpanzees living in that country. It appears that these animals, which bear such curious resemblances to men that the natives call them "old-time people," are very fond of the flesh of land crabs, which they dig out of the burrows. To crack open the shells of the crabs they dash them against rocks. They also crack nuts with stones in the regular human fashion; and most curious of all, perhaps, they kill pythons by grasping the huge serpents about the neck and beating their heads with stones.

Going Astray at Sea.

The difficulty of keeping a modern steamship on a straight course is pointed out in the Scientific American. The helmsman steers by the compass, and while a single degree of deviation appears very small on the compass card, it would, if continued, carry a first-class steamship four miles out of her course in a single day's run. Yet the compass gives the course more accurately than the ship can be steered. Owing to the deflecting power of the waves and the rolling of the ship, which causes first one of her propellers and then the other, if she be of the twin-screw type, to exert the greater effect, the course is continually shifted a little this way and that, despite the helm. The only safety is in correcting the compass course by frequent observations of the sun, moon and stars.

History in a Tree.

In the British Museum of Natural History there is a section of the trunk of a large fir-tree from British Columbia, the growth rings of which indicate that it was more than 500 years old when it was cut down in 1885. A correspondent of Nature calls attention to the fact that about twenty of the annual rings of growth, making the latter part of the first hundred years of the tree's existence, are crowded together in a remarkable manner, indicating that during those twenty years some cause was in operation greatly retarding the growth of the tree. On looking into history the correspondent found that, nearly at the time when the tree in question was evidently suffering from very adverse conditions, Asia and Europe were undergoing extraordinary disturbances from earthquakes, atmospheric convulsions, the failure of crops, pestilential diseases, etc. China, in particular, suffered even more than Europe. He therefore suggests that possibly the crowded rings in the trunk of the tree may be a record of the existence of the same unusual conditions affecting animal and vegetable life at that time in North America also; and he shows that if the tree had reached its full growth, and ceased to form new rings a few years before it was felled in 1885, the correspondence in time would be complete.

Colorado Cloudburst.

A writer in Travel describes a cloud-burst which came without warning, one hot, stifling day, upon the dwellers at Magnetic Springs, in Southern Colorado.

The clouds gathered in the hills behind the town, and came drifting like frightened sheep before the breath of a strong west wind. No thought of danger occurred to us until, in an awful hush, with no lightning-flash, no thunder-peal, they broke, and death came down.

The flood seized the canon like a channel; fume-wise it bore to the valley the cloud-storm torrent of the hills. The hotel stood full in the path of the flood. If the builder had not wrought better than any man knew, not one of us would have lived through the stressful time of boiling, foaming, hissing, roaring water, that leaped savagely against the walls, bit and tore at the foundations, caught every movable thing, as in the grip of a giant, and whirled and ground it to utter destruction.

A DANGEROUS BIRD.

What Will Happen Some Day to an Incautious Hunter of Blue Herons.

"Some of these days," said the long-shore hunter, "I expect to open my daily paper and see a headline something like this, 'Killed by a Blue Heron,' and I'll tell you why. The blue heron is a big, powerful bird which has already badly disgraced the faces of several men. The men have wounded a bird, and then thinking to capture it alive they went up to it. Why, I'd as soon try to kiss a wounded grizzly. The birds grow as tall as 6 feet, and have necks like a fish rod and just the kind of muscles to move it the quickest with the most strength. They could drive their bill points through a quarter inch panel.

"The hunter goes up to the bird and sees it lying there looking as innocent as a robin, with only a wing broken. 'What a fine pet it would make,' the fool hunter thinks. Then he picks the bird up and starts for home in a wagon or a boat, with the bird between his knees. The bird's neck is drawn back like a letter 'S.' All of a sudden the bill shoots up and gives the man a gash above the eye three inches long. That is what always has happened. The wounded bird has missed its aim, but sometimes—and you want to remember it—this feathered spearman will drive its bill far into its enemy's eye, and like a steel umbrella stick the point of the bill will penetrate the man's brain. I guess the bird's aim has always been spoiled by the pain of its wounds, and so many a human life has been saved. I don't monkey with wounded bitterns, or cranes—well, scarcely."—New York Sun.

A Homely Court.

A backwoods case is thus described in the Cincinnati Enquirer: "A desperado was offered at the court and used unbecomingly language, and when fined for contempt claimed that he could not be guilty of contempt, since there was no courthouse. The squire ordered a circle made to represent a courthouse, whereupon the desperado got outside of the line and renewed his insults. When told that he disturbed the court, he said, 'Make your courthouse larger.' Another line was drawn, with similar result, and still others, until the murmurings ceased to disturb the court. Another defendant was guilty of a breach of the peace. The court sent him to jail, writing the following mittimus: 'Jailer of Garrard county, you will please lock John Blevin up in jail and keep him until I call for him. He has been cuttin' up and cussin' and tryin' to fight.'"

What Touched Thackeray.

At the sale of Lady Blessington's household furniture, her library, her pictures, porcelain, plate and some of her jewelry, which were disposed of before she left London for the last time, one little incident ought not to be forgotten. A French servant of Lady Blessington's wrote her a letter in which he told her that he had observed many of her friends passing through the rooms, and he added that "Mr. Thackeray had to cover his eyes to hide his tears."—Speaker.

DEAFNESS CANNOT BE CURED

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian tube. When this tube gets inflamed you have a running sound or imperfect hearing, and when it is entirely closed deafness is the result, and unless the inflammation can be taken out of this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surface.

We will give One Hundred Dollars for any case of Deafness caused by catarrh that cannot be cured by Hall's Catarrh Cure. Send for circulars, free.

J. J. CHENEY & CO., Toledo, O.
Sold by Druggists, etc.

MORPHINE HABIT.

DR. J. C. ANTHONY, 68 Chronicle Building, San Francisco, Cal. Will furnish a complete treatment of "MORPHINE" at \$5 to the first 100 who apply. All correspondence strictly confidential. "MORPHINE" has never failed to cure the habit.

Try Germs for Breakfast.

NEW AND CURIOUS MIRROR.

Invention of a German Chemist Which Is More Odd than Useful.

An ingenious German chemist has patented a process for making the most curious mirror in the world. Looking into it from one side you see your reflection. Looking into it from the other side it seems transparent. Its uses are likely to be manifold. It may be put up in front of the prescription counter of a drug store, for instance, and the outsider cannot see behind the case, but the pharmacist can see out into the store readily.

The magician Hermann is said to have ordered the importation of several for use in some new illusions he is preparing for the astonishment of the public. Holding it up in front of him he will be hid from the view of the audience, but he can see them through it readily. The process of manufacture, as remarked, is patented and has been given out as follows:

Dissolve one part by weight of silver nitrate in ten parts weight of water and label "No. 1."

Prepare another 10 per cent. solution of silver nitrate, but in larger quantity. To this add ammonia water, drop by drop, stirring carefully until the precipitate formed at first is completely dissolved, and label "No. 2."

Now add solution No. 1 to solution No. 2 until the odor of ammonia is no longer recognizable and the liquid has again become very turbid.

Next add 100 parts by weight of distilled water for every part of silver nitrate originally used in solution No. 2, and filter until it is clear. Label this "No. 3."

Prepare a reducing solution by dissolving eight parts weight of Rochelle salts in 284 parts by weight of distilled water; boil and to the boiling solution add gradually a solution of three parts of silver nitrate in ten parts by weight of distilled water, and filter when cool and label "No. 4."

Clean the glass to be coated thoroughly, lay it on a perfectly level surface in a room of the temperature of about 25 degrees C. (77 degrees F.).

Mix equal parts of No. 3 (the depositing fluid) and No. 4 (the reducing fluid) and pour over the glass. The glass may, if preferred, be dipped in the solution.

The time required for the deposition of the layer of just the correct thickness has to be determined by the judgment of the operator in each case. This may be aided somewhat by observing a piece of white paper laid below the glass.

When a sufficient deposit of silver has been made (and much less is required than for an ordinary mirror), pour off the silvering liquid and rinse thoroughly with the distilled water and stand the mirror on edge to dry. Coat the silvered side with a solution of shellac, colorless, in alcohol, and finally frame the mirror with a backing of clear glass to protect the mirror surface from being scratched.

Mineral Fertilizers for the Cherry.
In no one of our fruits is the stone or seed so large in proportion to the whole as it is in the cherry. For this reason, and also because it perfects its fruit in very short time, mineral fertilizers in available form are always needed for the cherry tree. Some of the most productive and largest kinds of cherries are very apt to rot before they ripen. This is almost always an indication that mineral fertility, especially potash, is needed. It is the potash in the soil that not only perfects the seed, but is necessary also in giving the color to the fruit that makes it attractive. The most highly-colored fruits require, therefore, liberal supplies of the potash fertilizers.

Woman's Experience on a Jury.
Mrs. Warren, who recently served as juror on a jury in Denver, says: "As a matter of interest to the public, and particularly to ladies who in the future may be called upon to serve upon juries, I will say that in my own experience there has been nothing which should deter any lady from serving on a jury."

Boston's Badly Planned Library.
The great new Boston public library has already been found to have been ill planned and inadequate. It cost \$2,500,000, and now \$25,000 is about to be expended to construct a "suitable reading-room."

When you think of the worthlessness of some people you cannot wonder at their poverty.

It is age that makes a man look old; in a woman's case, it is "trouble."

MAJOR GENERAL BIRNEY

Uses Paine's Celery Compound in His Family, and Strongly Recommends It.



Major-General Birney, who is now, at the age of 75, practicing law and doing departmental work in Washington, in a letter to Wells & Richardson Company, says:
"My wife has been taking the Paine's celery compound for some time past, and is so much pleased with it that she wishes me to express to you her high opinion of its merits. She thinks it is the best remedy she has ever tried."
Gen'l Birney's hearty acknowledgement of the great and lasting good that his family has received from Paine's celery compound is repeated, in substance, in countless testimonials, written in the same grateful spirit and sent from every part of the country.
Don't sit with folded arms and do nothing toward getting rid of poor health. Drive out all impurities from your blood; build up the vigor of the body with Paine's celery compound—the one remedy that has kept all its promises in the past.
The tired nerves and brain need just the sort of nourishment that this great invigorator is able to supply.
Now is the time when Paine's celery compound, aided by the favorable influences of the season, fairly outdoes itself. It searches out the hidden causes of debility, neuralgia, rheumatism and those constantly recurring headaches. The worn-out nervous tissues are invigorated. Paine's celery compound is the one successful nerve regulator that cures diseases without any possibility of a return of the trouble.
Take Paine's celery compound this very day.
It won't do to postpone getting strong and well until you have a vacation. Do as thousands of others have done to their great joy, take Paine's celery compound. It will invigorate at once your impoverished nervous system.
If you really want to get well, read the letters recently published from such men as Justice Powers, Congressman Grant, Congressman Meredith of Virginia, Assistant United States Attorney John C. Caspers, Congressman Whitlow of New York, Congressman Hall, Lieut. McAllister, Congressman Neil and many others who are truly as careful of what they recommend. The perusal of a few of these personally signed, hearty testimonials of Paine's celery compound will give you any clear idea of what this wonderful remedy is doing in every State in the Union, and in every city and village.
It is making people well.

Prof. Babcock, the well-known Chemist, says:—

"I find that Walter Baker & Co.'s Breakfast Cocoa is absolutely pure. It contains no trace of any substance foreign to the pure roasted cocoa-bean. The color is that of pure cocoa; the flavor is natural, and not artificial; and the product is in every particular such as must have been produced from the pure cocoa-bean without the addition of any chemical, alkali, acid, or artificial flavoring substance, which are to be detected in cocoas prepared by the so-called 'Dutch process.'"

Walter Baker & Co., Ltd., Dorchester, Mass.

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The One True Blood Purifier. All druggists. \$1.
Hood's Pills are easy to take, easy to operate.

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Will realize the greatest amount of good in the shortest time and at the least expense by taking

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WHITE LIGHT OLENA

This Oil is made from Pennsylvania Crude, and put up for Family Use for such persons as desire an oil that is ABSOLUTELY SAFE—no smoke, no smell, high fire test, and water white. This Oil has no superior in the market, and a trial will satisfy any person.

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An unailing cure for RHEUMATISM, NEURALGIA, SCIATICA, LUMBAGO AND ACUTE NERVOUS DISEASES. For sale by all Druggists. \$1 per Bottle. Burnett & Co., 327 Montgomery St., S. F., Cal.

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FOR CHILDREN TEething

For sale by all Druggists, 25 cents a bottle.

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FRASER AXLE GREASE

BEST IN THE WORLD

The wearing qualities are unsurpassed, actually outlasting two boxes of any New York Grease. Animal Oils. GET THE GREASE.

FOR SALE BY ALL MERCHANTS and Dealers generally.

To ALL Merchants Who Retail TOBACCO.

Blackwell's Genuine Durham Smoking Tobacco

you buy. One bar of soap free with each pound, whether 16 oz., 8 oz., 4 oz., or 2 oz. packages.

We have notified every wholesale dealer in the United States that we will supply them with soap to give you FREE. Order a good supply of GENUINE DURHAM at once, and insist on getting your soap. One bar of Soap FREE with each pound you buy. Soap is offered for a limited time, so order to-day. Yours very truly,

BLACKWELL'S DURHAM TOBACCO COMPANY.

If you have any difficulty in procuring your soap, cut out this notice and send it with your order to your wholesale dealer.

Battle Ax

PLUG

Don't compare "Battle Ax" with low grade tobaccos—compare "Battle Ax" with the best on the market, and you will find you get for 10 cents almost twice as much "Battle Ax" as you do of other high grade brands.

"A very smooth article."