A Column Devoted to the Interests of Farmers and Stockmen.

Do not let foul weeds go to seed

either in fields or roadsides. Soft soap is recommended as a rem

edy for cholera in chickens. Some persons prize charcoal highly as a preventive and cure of costiveness

A dust of sulphur while the dew is on is said to be effective against the

striped bug. Prune out all useless wood from young trees and bring their heads into

proper shape. Keeping the pores of farm animals open is as essential to their thrift as

bathing is to our health. A heifer calf in White county, Tenn., is but five months old, yet it is said to

give a quart of milk a day. A great raisin crop will be cured at Fresno, California, this season. One grower will ship 80,000 boxes.

The California honey crop will be very small this year, only about onethird what it was two years ago.

A week of exposure to the hot sun will injure the horse rake, mower and reaper more than a whole season's use. Frank Rhodes, of Centralia, Lewis

pound mammoth squash at the County The grain crop of Colville Valley, W. T., is about all gathered in, and will average from 25 to 30 bushels in

wheat. The fruit product of Stevens county,

W. T., this year is greater than that of any other county in Eastern Washington, north of Snake river. Throw a little straw under the tomato vines, to keep the fruit clean and

ground moist, making much finer fruit and continuing it longer. Sulphur mixed with grease and rubbed along the backs of cattle will keep off the gad-flys and prevent the

animals from having warbles or grubs in the skin along the spine. The largest barn in the world is probably the Union Cattle Company of Cheyenne, near Omaha. It covers

five acres, cost \$115,000 and accommodates 3750 head of cattle. A few trees, evergreens and flower ing shrubs planted among the hives help to remove the sameness of the scene, and in summer give a grateful

shade to the bees and their keeper. The greatest kindness you can do to a young chick is to simply leave it alone for the first twenty-four bours of its existence. There will be little difficulty experienced in getting it to eat afterward.

In buying pigs for breeding stock the best is the cheapest, though it costs a little more money. The reason why breeders justify themselves in saving runts is because some men are thoughtless enough to buy them at a low price.

All small apples and others de fective in form or damaged by worms have their best market on the farm as food for animals. If packed with sound fruit, even in small proportion. they reduce the price of all often to the point of loss.

Owing to the freeze of last year, the Louisiana orange crop of this year will amount to one million against thirty and fifty million heretofore. The worst of it is that nine years of propitious weather will be required to restore the trees and there will be a full crop again.

It is a question with some good wheat growers whether the manure should be applied before the first plowing or afterward, but the prevailing tendency is toward plowing first, then to draw and spread the manure on the surface and afterward work it into the soil in subsequent cultivation. The manure is thus kept nearer the surface, where it is believed to do the

Something depends, of course, upon the kind of cow, but no cow is a good one that does not yield 2,500 quarts of milk in one year, or about seven quarts a day for 365 days. She will be dry a portion of the time, and of yield more when fresh than toward the close of her milking period, but she should not give less than seven quarts daily for every day in the year. The milk should produce about two hundred pounds of butter, or a pound to every twelve quarts of milk, which at 25 cents a pound the whole year, would yield \$50. The value of ihe calf depends upon its breeding, while the skim milk fed to pigs and the manure should realize at least \$25 more, making \$75. We may safely take one-half for cost, leaving \$37.50 as profit. The sum fixed as profit, however may vary, as the price of food is cheaper in some localities than in others. Dairymen differ as to the amount of profit a cow should give. Some claim as much as \$50 a year, but such dairymen sell the milk directly to the customers at a fair The fairest estimate is made upon the practice of skimming the milk and raising pigs, which will increase the profit, especially if a good breed of hogs be used in connection had been called for, and the deafening with a first-class lot of dairy cows .-Pioneer Press.

The Vice-President of the City Brewery, Mr. J. Helmus, of Louisville, Ky, was entirely cured in one week of a severe attack of rheumatism by St. Jacobs Oil.

The cotton crop will this year amount to 7,000,000 bales, an increase of 1,125,000 bales over last year.

The true secret of success is merit. This is so with Red Star Cough Cure, a purely vegetable compound, entirely free from opiates, poisons and narcotics, and which has received the public endorsement of physicians and chemists everywhere. Twenty-five cents.

FOREIGN GOSSIP.

-It is sa'd there are only about dozen wooden houses in London.

-Chickens near Paris are dying o consumption, which they caught from a man who cared for them. Funny things happen in France.

-The death is reported of Mrs. Da vis, who for over fifty years had the exclusive privilege of setting up a fruit stall in Westminster Half. -An additional picture for nears

every day in the year was placed last year in the 'rogues' album' in the Berlin Criminal Police Court. Durn; the year the collection served to ident fy 124 criminals.

-Frau Mollenweber, at Remscheid in Germany, is over one hundred year May ad of being a great-great-grand mother. She is in good health, ha-never worn spectacles, has two children aged seventy-two and seventy-six th rty-six grandchildren, and forty-two great grandchildren.

F rst-class carr ages are not mucl required on some German lines. The statistics have always shown that the are little used. On one of the State railway systems in the year to Marc. 31st. 1883, only three passengers in thousand traveled first-class, so tha most of the trans must have had nfirst-class passengers at all.

A Welsh farmer named Amm Lew s, of L anharran, near Pencord, has led at the age of one hundred years He enjoyed excellent health throughcounty, W. T., exhibited a hundred out his life, and up to November last he was able to follow his daily dutie When in his ninetyn the farm. seventh year he, with his grandson mowed four acres of grass in one day

Winning the Derby seems to give brevet of longevity to horses, for out of the twenty-three last winners of that race onl. five have died, and one of hese not from natural causes. But while all but five of the horses which have won the Derby since 1873 are alve. only ten of their owners, or deven, counting the two owners of the horses which ran a dead heat last year. are still in the flesh.

-The railroads in Guatemala are run on the credit system. Freight charges are seldom paid upon the de-livery of the goods. but merchants and thers expect three or four months and ome times more time. If a package arrives with your name upon it the ra lroad company is expected to deliver t at your residence, unless it hapens to be very bulky, and a few weeks after a collector comes around for the fre ght money.

-At Buxton, in England, lately, a man who was ill began to recover, but conceived the idea of simulating death when the doctor came, and was able to persuade the doctor that he was dead. A certificate was accordingly made out. The man arose, shr ed off hs beard, and became "the brother of t e defunct," registered his own death, obtained an insurance claim, and was well on his way to foreign parts when the trick was found out.

-The following instance of persist ency on the part of a rejected admirer has perhaps, rarely been surpassed. The d sappointed suitor followed the young woman and his more fortunate val into church-it was the church of Burwash, in Sussex—addressing the bride-elect from time to time in piteous tones: "Say 'No,' Martha: say 'No,' Martha; 'and this he continued till the crucial question was put: "Wilt thou have this man to be the "Wilt thou have this man to be thy wedded husband?" As soon as the fatal words "I will" had passed the bride's lips instead of the "No" which he had fondly hoped for, he turned away and left the church.

"HAIL, COLUMBIA."

dr. McMaster's Account of the Origin of the National Song of 1798.

Thousands of men who despised John adams, who detested the Federalists. who loathed the influence Great Britain had in Federal affairs, now turned to support the Government with vigor. Their hearts were still warm toward rance. But they could not suffer even o old and dear an ally to heap up in sult on their native land. Such an outsurst of patr otism had never before been seen. It began at Philadelphia and spread thence as fast as the postciders could carry the news. Night after night at the theater, pit, boxes and gallery joined in one mighty shou or the 'President's March," for "Yan-kee Doodle," or for the stirring music of "Stony Point." While the airs were being played the wildest excitement provailed. The audience rose to their feet stood upon the seats, waved hatand walk ng-st cks, sang, cheered, and, shen the pece was fin shed, demanded hat it should be given over and over igain. Then a band of hardy republians in some parts of the gallery would all for "Ca ira" or the "Marseilla se" aymn, till the r cries were drowned am da storm of hisses and groans. Not to be outdone, the republicans thereupon bribed the mus'c ans to play no Federal tunes. The first n ght they refus d a storm of indignation was raised in the theater, and they gave way. The next night they stood firm, and were well pelted for pains. The Federalists were highly indignant. The theater, sad the , n.ore than any other place brings men of all classes together. The manngers should, herefore, pay some heed to public feeling in the selection of the music. The present s no time to grate the pu lie ear with those Gallie murder-shouts, "Ca ira" and the "Car-mognow" The enthusiastic clamor with which the "President's March" applause with which it had been greet ed, should have taught them this. the purpose of a theater company to please or to insult the public? The act on of yell ng the fiddler and smash ng the fidule is greatly to be condemned. The firm and digatived conduct of leavng the theater and keeping away til he managers solemnly promise the first tune play d n the house is much

to be preferred. The theater, the Republicans protested, was a public house, and the managers would do well to keep this r mind. If, however, they were deter m ned to make it the resort of the per by Dr. George S. Munsen.

British faction, then let them look to that faction for support. Every earnest Republican and true patriot would keep away. This, was the rejoinder, is greatly to be wished. Men of sense long for the time when the Jacobins and their murder shouts shall be driven from every decent resort. Let them desert the theater and with the shilling

thus saved pay some of their old debts. Wh le the factions wrangled the benefit n ght of a favorite actor drew near. No man knew better than he how to profit by the popular will, and at no time in the whole course of his life had so fine a chance of profiting by the popular will been offered him. Poliics ruled the hour. The city was full of excited federalists, who packed the theater night after night for no other purpose than to shout themselves hourse over the "President's March." He determined to make use of this fact. He would take the march, find some one to write a few patriot'c stanzas to suit it, and on the night of his benefit sing them to the house. Some federalists were consulted, were pleased with the idea, and named Joseph Hopkinson as the man best fitted to write words. He consented, and in a few hours "Hail Columbia" was produced. night of the benefit was that of Wednesday, the 25th of April, and the Gazette announced that the performance would comprise a comedy called "The Ital an Monk:" the comic opera of "Rosina:" "More Sack." an ogue on the character of Sir John Falstaff, and 'an entire new song (written by a ct'zen of Philadelphia), to the tune of the "President's March, will be sung by Mr. Fox, accompanied by the full band and grand chorus:

Firm united let us be.
Rallying round our liberty;
As a band of brothers joined,
Peace and safety we shall find."

Long before the curtain rose the house was too small to hold the thousands who clamored to be let in. Those who got in were too excited to wait qu etly for the song. At last the com-edy ended and Mr. Fox appeared upon the stage. Every line was loudly anplauded, the whole house joined in the chorus and when the verse "Behold the It is claimed that a heater requiring ch ef who now commands'' was reached. audience rose to its feet and cheered till the bulding shook to its foundations Four times the song was enwas demanded again at the end of the pantomine, and again at the close of the play. A few called for The words of "Hail Columbia" were organized in Boston with a capital of printed in full in the newspapers of the following day. The Gazette hoped that troduce the apparatus. For cotton every lady in the city would practice mills, steam cars and a variety of the music, learn the words and sing other purposes the security against fire haps, the two or three French Americans who remained mght feel the charm of patrictics. charm of patriotism and join in the chorus of the song. -McMaster's His

COLOR BLINDNESS.

ome of the Colors Which Persons of De feetive Vision Are Unable to

bl'ndness is the inability to distinguish lookout for chances for money-making. red. A d stinguished professor in an But bring them to Washington and put English university once wore a scarlet them into the House or Senate, and gown through the streets, much to the they get an idea that once there they amusement of many who saw him. On are the target for every schemer in the being asked by a friend what appeared country. One very wealthy man, who to him to be the color of his robe, he came here recently as a Senator, instianswered, pointing to some evergreens tuted a search as soon as he arrived for near by: "It seems to me to resemble some man as private secretary who was tho e as closely as possible." The next co'or most frequently mistaken for frankly to his friends that he wanted a some other is green. The importance man to protect him from schemers of of this defect is estimated by the fre. this class. He had always heretofore quency of its occurrence. If it occurs proved himself quite competent to take only once in ten thousand persons, it is of course of less importance than if tune through the exercise of his own happening once in one hundred. Men judgment, but the moment he arrived are more frequently affected with this defect in vision than women. The defeet when it is congenital, as it is in most of the cases under the observation of ph sicians, is incurable. sometimes induced by immoderate use of tobacco or liquor. As many as one n twenty-five of the men employed on lines of travel are affected by this in-ablity to d stinguish red from green. The color-blind in case of acc dent by travel on land or sea can not be detected, because of the difficulty of tracing the causes of the acc dent. One thus affected can not tell a red from a green light, but one of the lights apears darker or less bright to him than

the other. The test of color-blindness is not how well one can name colors, but how much he sees them. If two letters be drawn, one red and another green, on a black ground, a person who is redblind will distingush only the green letter. and a person who is green blind would fail to distinguish or see the green let-ter. In other words, to the first the red color is suppressed and to the second the green. The red bl nd will place a purple or a green alongs de of a rose color, supposing them to be the same shade. The green blind will con-found the blue and the gray with the ose color. The test for an engineer is not to name colors and shades of color. but to know red as red and green a green, and to match red with red and een with green of their various hades. Four per cent. of the fifty thousand employes of the Pennsylvania have been found totally color-blind. and ten per cent, more or less affected with the defect of vision. Five per cent. of the same were found with imperfect hear ng. In New York lives a well-known an mal painter who is entirely color-bl nd. He selects his colors not by knowing the color itself, but by reading the r names on the tubes. He employs usually only black, brown, and

white n h s work. Dr. Jeffries, of Philadelph a. instituted a very efficient test of color blindness by suspending numbered skeins of worsted of different colors from a rod. The standard colors of rose, red, and green, with all the various shades of those colors, were numbered with the All other colors were odd numbers. numbered with the even numbers. The persons examined for color-blind; ess were invited to match the shades of the three named before as a standard, and if any so named were among those

HEAT WITHOUT FIRE. .

How a Boston Professor Proposes to Solve a Mighty Problem. Inventors and experimenters have

to devise some practical method of producing heat by fire-by chemical action of friction. Such a device would be of great value for heating railroad cars especially for the reason that many frightful accidents from the burning of cars by the heating stoves which they now earry might be opvi-A contemporary says: "Of ated. course of people could get along without fire there would be no conflagrations and no use for insurance companies. Nevertheless, underwriters will be interested in a recent invention which claims to generate heat without fire, and is said to have been successfully experimented with in Hookert Mills, N. H. The inventor is Prof. Webster Willis, of the Boston Institute of Technology, and he describes his 'friction heater' as simple in contruction, consisting only of an iron cylinder, one foot long and one foot in di-ameter, having a fixed plate of hardened iron in one end and a second plate attached to a revolving shaft, and pressed lightly or tightly against the fixed plate, as circumstances require. The cylinder is filled with water, the shaft revolves, and from the friction of the plates the water in an incredibly short time is heated, and by means of pipes can be carried to great distances for heating purposes. machine has been in practical operation for some months, and it is demonstrated that a machine with thirty-six square inches of friction surface will neat a room of ten thousand cubic feet better and quicker than coal, wood or steam can do it, and absolutely without expense, save the wear of the friction plates and the pittance for extra coal under the boiler. By this apparatus there is no danger from fire or explosion, and wherever there is waste power which can be utilized in this way the heat is obtained for almost nothing. two-horse power to run it will amply heat a room containing fifty thousand cubic feet, the heater costing one hundred dollars. Of course, time and further experiment will determine how useful the invention will prove practically; but there are those who now

SUSPICIOUS SENATORS.

Millionaire Legislators Seeking Protection

From Cranks and Schemers. It is curious how suspicious wealthy men become the moment they enter political life. When they remain in The most frequent defect in color- private life they are constantly on the especially familiar with all the cranks and schemers of all sorts, saying able to accumulate a magnificent for-Washington to take position as Senator he concluded he needed a protector.

Another Senator, who is a millionaire, gives very freely of his fortune, but is especially careful to ask those who become aware of it to keep the matter quiet. He recently told the writer of this correspondence that he had tried during the past year to keep his charities down to one thousand dollars per month.

"I would have succeeded in it, too." he said with apparent glee, "but for the fact that I gave ten thousand dol-lars extra in a direction that I did not count upon when I began my year's work in this line."

Another Senator who is reputed very wealthy is in a constant state of terror lest he be made the victim of some sort of speculation. He has been here a long time trying to screw his courage up to the point of making a certain real-estate investment in the city, but has not been able to make up his mind about it. Meantime others, with much less capital and not half the opportunity to get on the inside in these transactions, have invested in the very locality and thousands of dollars have been made. The very piece of ground over which he has been hesitating so long has been sold over and over again within the past few years and thou-sands of dollars realized by those who bought and sold it. Meantime he has driven past it frequently, hesitating in the fear that he was going to permit himself to be swindled in some way.— Washington Cor. Chicago Journal.

The Danger Removed.

Gamly and his friend are walking down the street: Gamly (pointing to a building-I can now pass that place without feeling

Friend-Why, have you paid the fellow who keeps there? Gamly—No.

Friend-Then why are you so brave? Gamly-Because he's dead.-Arkansaw Traveler.

... Gentlemen of the jury, there is still another extenuating circumstance in favor of my client. He broke open a burglar proof safe, a masterpiece of German workmanship, valued by experts at two thousand five hundred numbered with the even numbers it was seen at once that they were unable to seen at once that they were unable to and twenty marks which he found inside and left the valuable safe to the owner."—Fliegende Blatter. marks, and this client of mine con-

A CONSTITUTIONAL REMEDY, NOT ONE MERELY LOCAL.

The trouble with consumptives is that the aliment is generally supposed to be in the throat, and so, under the impression the throat, and so, under the impression that it is nothing very serious, is neg ected until too late. Tubercles are deposited in the lungs earlier than many people think. Give speedy attention to this. There is a stage at which consumption is not a merely local disease it is constitutional. True, it is the lungs that are specially "consumed." But the consumptive natient is alling all been busy for several years in efforts But the consumptive patient is ailing all over and needs to be vitalized all over if he

ould be well.

The case of Mr. Turner, an English gentleman who went all the way from his home to Colorado to be cured, is in this connection deeply interesting. The air of theman who went all the way from his home to Colorado to be cured, is in this connection deeply interesting. The air of Colorado was too stimulating for a man whose right lung was a depository of tubercles. He became worse and worse. But he read about Compound Oxygen and procured a Home Treatment. At once there was a marvelous improvement. Mr. Turner slept better and his appetite and digestion were altogether renewed. In due course his lungs became quite free from tubercles. Some time afterwards he wrote: "And this recovery has proved permanent. Twelve months have passed and I am better than I was then. Though prostrated during a long summer by the great and continuous heat—having been always affected by a high temperature—there was no return of any symptoms of the old malady, and today I regard myself, and am regarded by my friends, as cured. "Hence, I believe Compound Oxygen is all that you claim for it, and have pleasure in testifyng what great things it has done for me."

If Mr. Turner's case were the only one

If Mr. Turner's case were the only one on record it would be a great encourage-ment to consumptives. Happily there are hundreds of others and similar vectories v ctories You may wrought by Compound Oxygen. You may read about them in the treatise which will be sent you free if you write for it to Drs. STARKEY & FALEN, 1529 Arch street, Phil-

Orders for the Compound Oxygen Home Treatment will be filled by H. A. Mathews, 615 Powell Street, San Francisco.

The value of the hardware produced in the United States each year is now about \$60,000.000, and nearly half o it is made in Connecticut.

EVERYTHING GOES WRONG In the bedily mechanism when the liver gets out of order. Constipation, dyspepsia, contamination of the blood, imperfect assimilation, are certain to ensue. But it is easy to prevent these consequences, and remove their cause, by a course of Hostetter's Stomach Bitters, which stimulates the biliary organ and regulates its action. The direct result is a disappearance of action. The direct result is a disappearance of the pains beneath the ribs and through the shoulder blade, the nausea, headaches, yellowness of the skin, furred took of the tongue, and sour odor of the breath, which characterize liver complaint. Sound digestion and a regular habit of body are blessings also secured by the use of this celebrated restorative of health, which imparts a degree of vigor to the body which is its best guarantee of safety from malarial epidemics. Nerve weakness and over-tension are relieved by it, and it improves both appetite and sleep.

Two policemen were recently discharged in Cincinnati because they could neit er read nor write.

IS IT NOT SINGULAR

that consumptives should be the least apprehensive of their own condition, while all their friends are urging and beseeching them to be more careful about exposure and overdoing. It may well be considered one of the most alarming symptoms of the disease, where the patient is reckless and will not believe that he is in danger. Reader if you are in this condanger. Reader, if you are in this condition, do not neglect the only means of recovery. Avoid exposure and fatigue, be regular in your habits, and use faithfully of Dr Pierce's "Golden Medical Discovery." It has saved thousands who were steadily failing. were steadily failing.

Twenty-two years ago the Odd Fellows numbered 10,000 in New England; now there are 65,000 members in those States, and in the country 517,310.

INDIGE TION OR CONSTIPATION.

A few HAMBURG FIGS are all that is necessary for the cure of the severest cases of indigestion or constipation, and one taken occasionally will prevent the development of these affections. 25 cents. At all druggists. J. J. Mack & Co. proprietors, S. F.

Dr. Henley's Celery, Beef and Iron re-moves languor and loss of appetite.

"Seal of North Carolina" Plug Cut is the boss Smoking Tobacco. It is kept by every first-class dealer in town.



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ND EVERY SPECIES OF ITCHING, Scaly, Pimply AND EVERY SPECIES OF ITCHING, Scaly, Pimply. Inherited, Scrofulous, and Contagious Diseases of the Blood, Skin, and Scalp, with Loss of Hair, from infanoy to old age, are positively cured by the CUTICURA REMEDIES.

CUTICURA RESOLVENT, the new blood purifier, cleanses the blood and perspiration of impurities and poisonous elements, and removes the CAUSE.

ties and poisonous elements, and removes the Kause,
Cuticura, the great Skin Cure, instantly allays Itching and Inflammation, clears the Skin and Scalp, heals Sores and restores the Hair.
Cuticura Soap, an exquisite Skin Beautifler, is indispensable in treating Skin Diseases, Baby Humors, Skin Blemishes, Chapped and Oily Skin Sold everywhere. Price: Cuticura, 50c.; Resolvent, \$1: Soap, 25c. Prepared by the Potter Drug and Chemical Co., Boston, Mass.

NATURE'S Violent Pargation is Obsolete CURE FOR To Assist, not to Attack, Na-CONSTIPATION, TARRANT'S SELTZER

Sick-Headache.

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Cures all Diseases originating from a disordered state of the BLOOD or LIVER. Rheumatism, Neuralgia,

Boils, Blotches, Pimples, Scrofula, Tumors, Salt Rheum and Mercurial Pains readily yield to its purifying properties. It leaves the Blood pure. the Liver and Kidneys healthy and the Complexion bright and clear. J. R. CATES & CO., Proprietors.

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HOW TO SECURE HEALTS SCOVILL'S SARSAPAI STILLINGIA OR BLOOD SYRUP will restore perfect physical organization. It strengthening syrup, pleasan has often proven itself to be r Purifier ever discovered, eff Purifier ever discovered, effecting Scrofula. Syphilitic disordeness of the Kidneys, Erysipels all Nervous disorders and Deious Complaints, and all disecting an impure condition of Liver, Kidneys, Stomach, etc. Indigastion, especially when the indigestion, especially when the is of an exhaustive nature, having dency to lessen the vigor of their

Nearly 64 per cent, of the sugar a Cuba was sent to the United State year.

nervous system.

BEAUTIFUL WOMEN

are made pallid and unattractional irregularities which Dr. Favorite Prescription' Thousands of testi druggists.

The Russian Government inte the Empire.

SCIATACA CURED.

DR. FLINTS HEART REMED cure sciatica, as it does other nergeases, as it has a sedative influes all parts of the nervous system, a gists, \$1.50. Descriptive treatises bottle; or address J. J. Mack &0.

When Baby was sick, we gave her Cartes When she was a Child, she cried for Case When she became Miss, she clung to G When she had Children, she gave them G

Lyon's Patent Metallic Stiffer vents boots and shoes from runn ripping in the seams or wearing a

The Panama Canal has 1 2,000 holders, of whom 16,000 are wom Don't hawk, hawk, blow, spit, as gust everybody with your offensive

but use Dr. Sage's Catarrh Ren Sixty-one deat's resulted in Charleston earthquakes.

The best cough medicine is Piso for Consumption. Sold everywhere Go to Towne & Moore when in Pm for best Photographic and Crayon

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and Coughs, "Brown's Bro Troches" have a world-wide reput Sold only in boxes. Price 25 cts. TRY GERMEA for breakfast.

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