Mode of Making Gunpowder.

The mode of making gunpowder is into the wooden mortar or tub and pound | cess.

weigh it—about 75 parts of saltpeter, 15 house will be the penalty of a violation loosens his hold, drops, and takes the come to be recognized as the leading plow of charcoal, and 10 of sulphur. These of this rule. It seems to us that there is chances. In proportion to his size, the on this coast. It is made of the very projections, however, vary somewhat, de no reason why such an enterprise should fall is as if a man were to drop himself cast ateel and the reputation of the Furst &

mixed in one operation; but this mode is Blade. attended with greater risk.

real mixing must be done under great

Now begins the greatest danger. The stirred-up materials are taken to another shed, called the "incorporating mill, where there are more wheels and troughs but, instead of men with shovels, there are wooden and copper scrapers attached to the machinery, that follow the wheels and keep the mixture in place. The ingredients are placed in the trough, the wheels started, and the men lock the doors and go away. Hour after hour, around and around in the dark, all slope rumble these mighty wheels. So long as the little scrapers attend to their business. four inches deep in the bottom of the trough, all will be well; but if anything trough, all will be well; but if anything goes wrong—puff—bang!—that is the end of that mill. If the crushing wheels and the iron bottom of the trough should happen to touch, the chances are they happen to touch, the chances are they this .- St. Nicholas.

and woodchucks, that have enough sins of their own to answer for. The meadowmouse of Europe, which is very like our own, forty or fifty years ago came near causing a famine in parts of England. ruining the crops before they could get fairly started, and killing almost all the young trees in the orchards and woods. More than 30,000 of the little rascals were trapped in one month in a single piece of forest, beside all those killed by animals. About a year ago, too, a similar disaster was threatened in Scotland, where millions of mice appeared, and gnawed off the young grass at the root just when it should have been in prime condition for the sheep; and when that vegetables. The people lost vast numbers of sheep and lambs from starvation, and who three months before had crossed the thousands of dollars' worth of growing river. food; but, all finally, by together waging THE TRUTH-TELLER.-It is worth case come auddenly, but had been in- self. There are times when such truthcreasing steadily for years previous, be telling is of great and immediate service. cause the gamekeepers had killed so many But I have noticed that persons who of the "vermin" (as owls, hawks, weasels, are the natural enemies of the mice, and slow to learn that it doesn't pay to kill sion for making people uncomfortable. the birds or rob their nests; but the boys They do not love their neighbors; they and girls ought to understand this truth hate them, or are indifferent to them. and remember it. In this country, the With them so-called truth-telling is meregreatest mischief done by the field-mice ly a form of self-indulgence. How would it do the new States this is the most serious difficulty to tell the truth to him? the orchards have to contend with. Whole gardener has the same trouble, often findng, when he uncovers a rare and costly

springs of these cars are so finely ad-justed as to entirely obvinte all danger from the overflow of liquids from the Iv you want to enrage a Philadelph

twice as large as New York.

A Hotel for Women.

A most commendable enterprise is fast New Jersey people are not usually nowadays about the same everywhere, approaching completion in New York, lacking in hospitality, but they do not Hostetler's Stomach Bitters, the success of The saltpeter, the charcoal, and the sulphur all must be ground very finely. was planned and started by A. T. Stewart, feeling. Even the titles of these red-eyed times, the grinding is done by women Hilton, and it is expected that the structand children, who pound the ingredients are not rairry accorded to them; origin who insisted on the rationality of
and children, who pound the ingredients are not rairry accorded to them; origin who insisted on the rationality of
and children, who pound the ingredients Among rude tribes in Asia, as in old has been vigorously carried out by Judge visitors are not fairly accorded to them; and children, who pound the ingredients are will be ready for occupancy in the erroneous one of locust is inflicted upon health. Appetite, easy digestion, regular with wooden mortars, full. A number of large stores which them. The cicada couldn't be more unand often finish by blowing up the entire occupy the ground floor are nearly comfamily, house and all. In other places pleted, and some of them already rented, name if he were a Spitz. There are thought they pass a crank-shaft through a barrel It is expected that the proceeds from sands of Jerseymen who firmly believe the old exhausting method. The new era of and fix it in a frame. This barrel they them will go far toward defraying the that the insect who is drumming a momedical treatment inaugurated by the Bitpartly fill with what they wish to pulver- expenses of the hotel. The second and notonous tune in the tree tops is a near ize, and also with a quantity of brass or third floors have large and handsome relative to the longlegged hopper that wooden balls. By turning the crank rap- offices, parlors and reception rooms which has traveled from the Rocky Mountains hurtful consequences of an absurd fallacy. idly the balls and the material are both are finely frescoed and painted. All of to the Mississippi. Now, whether the rolled around from side to side, and finally the rooms are large and well lighted and grasshopper of the West is or is not the the grinding is effected. Next they mix ventilated, and each has gas and running locust, may be a debatable question, with the three together in proper proportions, water. This novel enterprise of conduct- the weight of evidence in the affirmative; spreading it on a wooden table, turning it ing a botcl exclusively for women is but that the cicada is not a locust is and readable accounts of the various indus with wooden paddles, and rolling it with something of an undertaking, but those a fact not open to question at all. The

it again, any blow, just as likely as not, It will be conducted upon the Euro- tion. But neither the golden wheat nor kept and general and high character. These before the last they will like to give. If pean plan and will be under the direct the tall timethy nor the waying out offers considerations are matters of importance to being the last they will live to give. If pean plan, and will be under the directile tall timothy nor the waving out offers they and the powder survive this, they tion of a matron. At a large restaurant, a meal to the cicada. His monthpiece is then spread it on a cloth in the sun to dry, and if it don't blow up before they gather and if it don't blow up before they gather a guest may procure such food as her nately for the human race, he has not the it together again, the husbands and fath- purse will warrant. The rooms will be bloodthirsty disposition of another insect Linforth, Kellogg & Co., have been turned ers of these brave women and children rented for a single night, or for a week, somewhat similarly provided and equally soon have plenty of powder. I have been or a month, and the prices will be at home in New Jersey. told of a lady, brought up in the East In. placed at the lowest limit possible. It Let us be just to cicada septendecim. dies, whose most vivid remembrance of is expected that most of the occupants. His life is a romance. He finds himself as manufacturers agent, will be of the laboring classes, but any at first consciousness an orphan, crawling as manufacturers agent, will handle the following-up of a "native" family by such means. But in women of respectability may obtain ad- on a twig that he cannot eat, and perched the modern powder-mills there are deep, mittance. Of a necessity, the hotel will high in air. He wants to reach the den City gang plow; Farst & Bradley's sufky circular troughs of stone or iron, have rules which will be rigidly en- ground, but he would starve on the jouraround and around in which travel pon- forced; chief among these is that requir- ney if he attempted to crawl down the factured by the Furst & Bradley Manufactur derous wheels. Men with was den shovels ling cleanliness of dress and person. As tree. If he were a measuring worm he ling Co. of Chicago; also the Pacific farm, keep the material under rollers, where it the hotel is amply supplied with laun- might spin a yarn and lower himself by tured by Fish Bros. & Co., of Macine, Wis. is thoroughly crushed.

When enough of each ingredient is ready to make a batch of powder, they pending upon what the powder is to be used for, and the strength required.

The weighed-out ingredients must now want long felt by women whose necessi- fall and escapes the hungry bills of birds, thousands now running on this coast with be mixed. Usually, the charcoal and sul-phur are put together first in revolving on business, and whose resources are not ward into earth and begins his subterra-that Mr. Davis has on hand a fine assortment copper balls; and when this is completed, hotel; also, for those who wish for (as the scientific folk say) our forefathers spring, half spring, ball spring, ball spring, and a new s spring and a new s spring delivery wagon, barrels, in which are loose zinc, brass, or adequate to the demands of the ordinary | oean residence. Admitting it as true that process is repeated until the whole is well elsewhere, and for many other reasons, at such a domicile. The next process intermingled. In some mills the three It is hoped that so praiseworthy an ad- after going below is to find some root of ingredients are put into the barrels and venture may meet with success .- Toledo a shrub or tree, to stick the proboscis into

Campaign of 1811.

In 1811 the opposing Russian and Turk-ish armies stood facing each other on opposite banks of the Danube. During a feint, and so attracting the Russians to a spot some three miles below the real point of passage, in throwing a force of powder between is supposed to prevent stand the counter attacks directed against principles of health by eating little or them. Unable to drive back the invading force, the Russians desisted from any Ravages of Mice in Different Countries.

The mischief of the little field-mice is done so very quietly and adroitly that few are ever caught at it, and much of the blame is put on the moles, squirrels

further active measures against it, but widow wastes no time in funeral ceremonies. She has to provide temporary the Danube to prevent supplies being carried across the river into the Turkish camp on the left bank, they quietly awaited the blame is put on the moles, squirrels

further active measures against it, but widow wastes no time in funeral ceremonies. She has to provide temporary that of D. E. Allison & Co., of 260 and 251 Washington atreet. San Francisco and 251 Washington atreet. San Francisco stand forth promisently. They have now been in various there are over Loude to the country on the left bank, they quietly awaited to the blame is put on the moles, squirrels force, thus completely isolated, mable the blame is put on the moles, squirrels events. The provisions of the Turkish force, thus completely isolated, unable to retreat because of the flotilia which effectually prevented any bridge being thrown across the river, soon began to run short. The weather became cold, but there was no fuel with which to kindle fires. Under these circumstances the sufferings of the men were very great. For some time there was horse flesh, but it had to be eaten raw, as even the tentpoles had been cut up and burned. Hundreds died daily, and their comrades had not strength to bury them. Disease was ber, peace was concluded, but 4,000 men, who are described as being but living was all gone they attacked the garden skeletons, with scarce sufficient strength to stand upright, were left of the 30,000

war upon them, the pests were partially while now and then to have what is killed off. The mice did not in either called the truth told you about yourplume themselves upon speaking the snakes, etc., are wrongly called) which truth to their neighbors are persons who really have no special devotion to truth, keep their numbers down. Farmers are but who have, on the other hand, a pas-

How would it do, the next time the trees, so that in some of the Western village truth-teller comes around, for you

"Kind friend, I thank thee for telling rows of young trees in nurseries are me that my daughter's manners are rude, stripped of their bark, and of course die; and where apple-seeds are planted, the mice are sure to dig half of them up to eat the kernels. This mischief is mainly meeting hat is two seasons behind the done in the winter, when the trees are times; but let me reciprocate thy kindpacked away from the frost; or, if they are growing, because then the mice can selfish old gossip, without enough brains it is believed that enough whale and seal to compare the country of the country of switch the count about concealed under the snow, to perceive the whole truth about any sitand nibble all the bark away up to the untion, but only a silly half-truth, or a surface. Rabbits get much of the credit mise:able distorted truth, which, from Russian of this naughty work, for they do a good the best of motives, I advise thee to keep deal of it on their own account. The to thyself."-"The Old Cabinet;" Scribner are very anxious to marry, because they

plant in the spring, that the mice have enjoyed good winter quarters in his straw covering, and have been gnawing to death built by a New Brunswick farmer with most as soon as a girl is born, in the his choice roses. Millions of dollars, only a few tools, and consuming six years better rank of society, her parents begin perhaps, would not pay for all the damage these small creatures thus accomplish
each year in the United States, and I
fear they will become more and more a

to St. John. He had expended every
to better rank of society, her parents occur
to prepare the dowry she must have when
she goes to her husband. She must fornish everything for an outif in life, even
to St. John. He had expended every plague if we continue to kill off the harmless hawks, owls, butcher-birds and snakes, which are the policemen appointsnakes, which are the policemen appointsnakes, which are the policemen appointsnakes, which are the policemen appointschool of the sale of his farm. The house of his promised bride and counts over her dresses, and examines the fured by Nature to look after the mice, and something "between Noah's ark and a niture, and sees the whole with his own protect us against them.—St. Nicholas. log house." The stern appears as if the eyes before he commits himself to the ir-TRAVELING on railroads will soon be cut off in lengths to suit. The batchway are conducted with more apparent delas pleasant as steamboating. In addition is almost large enough to drive a horse to their sleeping cars, the Pullman Palace Car Company have recently placed upon one tons, but her timbers are strong several of our leading railways their hotel enough for a vessel of five hundred tons. cars. In these cars one can take his She carries a house on deck resembling a the wedding. meals as pleasantly as at a hotel. The sportsman's cabin in the woods, and fitted

dishes, even when the train is running at forty miles an hour.

If you want to enrage a Philadelphia director, just suggest to him that the fares should have been reduced from seven to five, instead of to six Colonado, the new State, is more than the fares should have been reduced from seven to five, instead of to six cents. It a subject on which he's alternative or which he's al COLORADO, the new State, is more than cents. Its a subject on which he's alto- no sense in such silly experiments, even gether two cents-itive.

Seventeen-Year Visitors.

wooden rollers; then they put it back interested in it are quite sanguine of suc- "hopper belongs to a sub-order furnished

it, and to suck the juices. Thereafter the cleads has permanent board and ledging All this, however, is mere stirring. The An Episode in the Russo-Turkish for seventeen years. How few New Yorkers could make a similar boast!

After a silence vastly longer than that pils, the cicada earns the right to make a the night between the 8th and 9th of Sep. He is now a Corlebs in search of a wife noise in the world, and proceeds to do it. tember the Torks succeeded, by making | First becomes to the surface and throws off his old clothes, appearing in a new suit which includes serviceable wings. There first attempts of the Russians to drive great mistake on the part of the seers successfully withstood; reinforcements the wedding march, and seeks his mate, were rapidly brought over from the right who is similarly engaged in making byArriving every day by steamer, barge and to the left bank, until, finally, 30,000 men meneal music. The noise is a triffe monotonous to human ears, but all demonstraprodence may be readily foreseen. The part bridegroom dies on his wedding day. The further active measures against it, but widow wastes no time in funeral cere- Men who have weathered a hundred storms, life in boring holes in twigs and small business for ten years, and have found as the branches, and depositing eggs therein.

The branches thus perforated are apt to sides dealing in fruits, they sell vegetables of the sides dealing in fruits. Sometimes it makes considerable havoc, as for instance at Prospect Park, Brooklyn, a few years ago, where the oak trees especially suffered, though none were parts of California, including some of the Government statistics, showing how many -S. F. Journal of Commerce. able to contemplate the performances of

POLAR COLONIZATION .- The bill apcome a law when the next Congress meets, Whenever there is paist use it. and Capt. Howgate proposes to send, in advance of the colony for which the appropriation will provide, a small vessel together Esquimau dogs, sledges, and Esquimau clothing for the regular expidition. Cant. Terror of the regular expidition. Cant. Terror of the regular expidition. and Capt. Howgate will follow next spring. To get out the advance party the address and fifteen cents, which sum exactly pays about \$9,000 or \$10,000 will be needed, and this must be raised by subscription. Soap made is America. As it has been extensively Capt. Tyson makes this rough estimate advertised for years our readers have undoubtedly of his needs: Charter of vessel for fifteen beard of the Soap. This very liberal offer of its manmonths, \$1,500; fitting out of men for unacturers enables all to test its quality for themselve very cheaply. Send your address and affect conversely the send your address and your address and your address and your address and your address an cruise, \$1,500; 25,000 gallons of casks, for postage direct to \$1,000; boats and whaling gear, \$1,000; bread, \$480; flour, \$250; pork, \$600; oat and Indian meal, \$60; coffee, \$125; tea, Properson, Sofe Agents for Pacific Coast \$52; sugar, \$48; molasses, \$150; butter, \$190: whisky, \$120; coal, \$75; tobacco, out of bond, \$190; guns, knives and saws, for trade, \$490; probable incidental expenses, \$400; total, \$8,660. The whaling

have no liberty before marriage. They are kept constantly under the paternal eye until given up to their husbands, and

A FOOLISH man by the name of Crapo, with his foolish wife, lately sailed from BUY A LAMB KNITTING MACHINE. if successful.

Cease Racking the System

With drastic cathartics and hurtful salivants, and use that rational and genial recuperant, building up of feeble constitutions has ut-terly confuted the preposterous medical theters is indeed a happy one for the sick and feeble, for it has not only placed health with-In their reach, but saved them from the

Agricultural Implements.

Our readers will bear us witness that in our endeavors to present them with condensed tries and leading branches of trade in this city we have uniformly selected, as representalive of those branches, only ho with sharp jaws and magnificent diges- for stability, excellence and variety of stock the trade and country buyers generally.

> over to Mr. Geo. A. Davis who has been so long and favorably known in connection with the Fish Bros. & Co.'s Pacide Wagon. Mr. Davis has opened an office at 401 Market lowing well known goods: The Garden City elipper plow; Garden City sulky plow; Garspring, freight and header wagons, manufac of both Farm and Spring wagons; of spring, he has a great variety consisting of 3 and 4 recently imported, all of which will be sold at prices to suit the times. The Wm. Anson ds' mower has been tried and for sim-

plicity and durability has no equal. In conclusion, we say to our readers requiring Wagons and Agricultural Implements call and examine them or send for illustrated catalogues. Mr. Geo. A. Davis' business relations with this trade in the city After a silence vestly longer than that and through the country is extensive and he which Pythagorus imposed upon his pu- enjoys a reputation of being a thorough busise man, obliging and fair in all his dealings.

Amongst the Fruit Men.

THE BOUNE OF D. R. ALLINON & CO. This is the season for fruits and flowers, 2,000 men and four guns across the river, a short distance shore Gingary. The supposed to portend War. That was a seen on Davis, Washington and the adjacent streets any day is astonishing. There the nor lapse of time can have any effect upon first attempts of the Russians to drive who read the sign. It is not a War this small body back into the river were that he seeks, but a Wedding. He drums their harvest. They will handle at least

(Painter & Co., Type Founders, 510 Clar

railroad from the peach groves of the Sacra-mento, the pear and apple orchards of all nothing. The consequences of such im- now carrying on business are for the most

VETERANY OF THE TRADE, break off, and people who have valuable all kinds, consigned to them by larmers all trees object to this method of pruning, over the State-in fact do a general commission business in all kinds of country propermanently injured. After perusing the largest and wealthlest ranchers in the State.

the Eastern cicada with equanimity, and, "A SLIGHT COLD," COUGES.-Few are this branch of business, and giving their enconsequently soon aided to famine, so if seedful, stuff cotton in our ears. And that when finally, on the 8th of December is comfort in the thought that seven cough or "staust cotton" which would yield ness, and won the respect and confidence of teen years may chapse before we shall to a mild remedy, if neglected, often attacks the surrounding business community, and of the lungs. "Brown's Broachial Troches" give their numerous patrons. They are perfect their numerous and attentive to their sure and almost immediate relief.

A Docton in the Closer.-Trapper's Inpropriating \$50,00 to equip an expedition to the Polar regions is likely to be-edies that every family should keep on hand.

Use Burnham's Abietine for rheumatism

and neuralgia.

pidition. Capt. Tyson will start in July, sorthers or readers of this paper, free, a sample of

Stands for Boay, Whose throat gave her great pain; She took some SWEET TAR DESOPS-Now she's all right again.

-To be continued. oil will be obtained to pay the cost of the expedition.

Russian Ladies.—The ladies in Russia

Russian Ladies.—The ladies in Russia

> SWEET TAR REMEDIES are simple home prepa tions, sanctioned by the highest medical authorities, are sure in their effects for what they are rec-mended. HEDINGTON & CO., San Francisc BURNHAM'S ABIETINE FOR BURNS, SCALDS,

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Pianoa

LATE AND IMPORTANT IMPROVEMENTS IN

THEIR MANUFACTURE. The persistent efforts to attain perfecti m in the manufacture of planes seem at last to be crowned with success and have not proved ineffectual. Since the time of the Schroeder, who in 1717 conceived the sublim idea of a piano to replace the harpst-hord, down to the present more proficient and progressive age, there have never been so marked and decisive improvements as those intro-duced by the makers of the "Rogers Upright Plano." This instrument is constructed on entirely new principles, by the most careful mechanical skill, and embraces new princi-ples which are destined to revolutionize the art of Piano making. It possesses in the highest degree nestness and purity of tone, which sympathizes and harmonizes with the human voice, clear and bell-like in the treble, and sonorous and deep sounding in the bass. The following are some of the more important improvements which we have observed in the new Piano. It is the only piano that has not a wooden pin-block. In all other planes there is a plant perforated with holes in which stand the tuning pine that hold the

strings. All wood is very sensitive to changes of weather, expanding when it is damp, and contracting when it is dry, which is the rea-son that planes get out of tune continually. The Piano makers are all painfully aware of this fact, but no one could ever devise a rem.

5. Foster & Co., edy, until the Inventor of the Ropers Piene monstrated that there was such a thing as Mebuis & Co., tuning a Pigno without turning the pint, and that there never ought to have been a Pinblock in any Piano. Each turning pin stands fast in a metal alide which is moved by a set-screw, increasing or diminishing the tension of the strings. Thus, we have for the first time, in the Rogers Upright, a Piano which does not depend for its strength or durability upon the length of time its wood has been seasoned, or upon the excellence of its entitled work, because every lots of strain is borne by solid iron, making it impossible for the trying climate of the Pacific Slope to produce the slightest effect upon it. Another very essential point is, it is the

only instrument in which the action can never tick" or otherwise get out of order. It is simplicity itself, and yet the strongest, surest and most durable that has ever been invent ed. It has but one action rail, which is hold to the iron frame; whereas, in all other Pianos there are four to six rails, which are fastened to the wooden case, and, consequently, always liable to get out of order. The hamer and damper pivots are bushed in from bearings, attached to the iron action rail screwed ings, attached to the sem action rail screwed to the sees so frame, so that warping or sticking gualities made at the low-so market prices.

In impossible.

The Rogers Plano requires no Tuner of Repulsion. Any one who can tune a guitar RUPTURE CURED without trouble. Every instrument has a tuning-key, but, when the stretch is once out of the string, the Piano cannot get out of

Read what the most competent judges of metal and mechanics of our city say of this instrument. SAN FRANCISCO, April 25, 1877. MESSES. BLACKWAR & DAVIS.

Having beard that the Rogers Upright Plane Company had introduced a novel and important principle in the construction of Planes, we have examined the instrument with much interest. We find a simple but original application of the "set screw," by which metallic slides holding the "tuning pins" are moved up and down, tightening and loosening the strings.
It is evident that neither weather, climate.

(Painter & Co., Type Founders, 510 Clay ISHARI W. KNOX.

Works, 19 to 25 First street.)

Steamship Co.) W. T. GARRATT, (Brass and Bell Foundry.)

V. Hoffwetze, (Engineer.)

Every instrument is warranted for all time.

These planes can be obtained in San Francisco of Messes. Blackmar & Davis, the well-known music house, Nos. 950 and 952 Market street, under "the Baldwin." They offer liberal inducements to purchasers, and invite correspondence from all interested in the new invention. The house also deals largely in Sheet Music, being extensive publishers and importers, besides representing the two great European publishers, Schu-berth & Co., and Schott. Any music will be million dollars' worth were eaten up by
the Western gras-hoppers, we should be sore throat and hoarseness.

Usz Burnham's Abietine for croup, colds, forwarded by small on receipt of price.

Mr. Blackmar and Mr. Davis are both acemplished musicians and practical men is

gentlemen, courteous and attentive to their customers, and we are perfectly satisfied that from the ampletcapital and facilities they possess no music house can be more conscientionsly recommended to readers.-The Commercial.

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IF it is just the Paint for the age. It is said by the gallon only.

One gallon overs frequency and a locate of 15 yards 1 could. For further information send our sample and price list to the CALIPORNIA PAINT CO., 27 Servences St., San Francisco We, the undersigned Wholesale Grooers, HAZELTON PIANOS. take pleasure in remarking the increased de-

mand for Bowen's Premium Yeast Powder, and of testifying to the general satisfaction given by this brand: Wellman, Pock & Co., Dilleplane & Co., Root & Sanderson. Jones & Co., Ledden, Whipple & Co. Haus Bros. Taber, Harker & Co., J. M. Pike & Co., J. A. Folger & Co.,

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AT BED BOCK PRICES.

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THE SIERRA FLUME AND LUMBER CO. have over 100,000 Acres of SUGAR PINE. YELLOW PINE, SPRUCE, FIR and CEDAR LANDS; 10 Saw Mills, 3 Planing Mills, 1 Sast and Door Factory, 149 miles V Finmes, 10 miles of Tramways, 157 miles of Telegraph Line, 13 Telegraph Stations; and employ 475 men and 550 ozen and horses.

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