WHO IS THY FRIEND.

Who is thy friend? The man that shares thy oquet hall or beauty's witching bow-He that will dance with thee to folly's meas-

And make no reckoning of the squandered To whom the revel and the game is all? These are the friends that help men to their

Who is thy friend? The man that shares thy

pride.
Thine hour of glory, or thy day of gain;
Who stands in every triumph by thy side.
And never finds that triumph faise or vain,
But shapes his doctine as thy humor goes?
These are the friends misfortune turns to loss. Who is thy friend? The man that for his win-

To power or place bath need of thine or thee; Who will not fear thy risk, or blame thy slag ning. So it but speed his fortune's growing tree; Whose praise is large, whose promise larg yet?

These are the friends that fall us and forget. Who is thy friend? The man of truth and

trust,
In gladness near, in sorrow nearer still;
To thy faults generous, to thy meri's just,
Thy help to every good from every ill,
Whose love for the world's hate might make
amends?
Alas for it! this life bath such few friends.

Who is thy friend? The best, the least re In faith unfailing, and in love unchanged
Through all the changeful years, though ill
rewarded.
Give Him thy heart, so long and far es-

stranged; And from the broken reeds of earth ascend. To seek in heaven thy everlasting Friend. --Frances Browne.

ACCIDENTALLY INNOCENT.

No lawyer likes going into court with a thoroughly bad case, yet how can he help it sometimes?

I should have more patience with the question, "Do you ever think it right to defend a man whom you believe to be guilty?" were it less frequently put by people who spend six days of the week seeking to get the replied. upper hand of their neighbors, and the seventh trying to circumvent I commend the answer Dr. Johnson once gave to Boswell, "Sir, the lawyer is not the judge."

Was it my place when George Gilbert's little care-worn wife came with tears glistening in her eyes, to beseech me to do what I could for her imprisoned husband, virtually to turn my back and leave her tired, troubled heart to break or not as it might? I was neither a priest nor a Levite to find a ready excuse for passing by on the other side. Yet what could I do? George Gilbert had been sent on a collecting tour and had gambled away money received for his employers. It I was a plain case of embezzlement, and the penalty was a term of years in the State's prison.

"I am sure he never meant to be dishonest," pleaded the loyal little woman; "he was tempted by a crafty | I resumed. "Do you recognize in the and designing man, but instead of prisoner a young man from whom running away, as others would have you won a thousand dollars at 'poker' his fault, offering to let his whole salary go toward making up the oner had met with his misfortune. lost money till every cent was paid. returned then after a year's absence, the penalties of perjury, and the been in jail a dozen times. Ta-ta, childinsisted that the law should take its truth, which would cost him money. ren; don't spend your money for taffy

I gave her what poor consolation I could; for lawyers, like doctors, must firm's money, which George Gibert keep their patients' courage up at

"In the first place, I'll see Messrs. Mangle & Meek," I said. "Mr. Mangle actually been delivered to one of the may be brought to hear reason after joint owners, who was bound to acall-if he can only be made to see his interest in it."

have inspired a sort of undefined hope that I was far from feeling my-

Mr. Mangle received me with stony

"Young man," his manner said "don't waste time in appeals to sentiment; you won't if you'll only look at me.

I took the hint and came at once to business, repeated Gilbert's offer, and put it as strongly as possible that more was to be gained by leniency than harshness—all of which Mr. Mangle listened to with a conscientious scowl.

"I cannot be a party to compounding a felony," he answered with a solemn intonation.

mentioned a plan of paying back your own, leaving it to your generprosecution."

"Oh, its all the same," was the contemptuous rejoinder-"anybody but a lawyer, with his head full of of working out the money he has ing twice as much in the meantime."

by an outright quarrel, I took a hasty

Had I been in the prisoner's place on the morning fixed for the trial, I that reason may be exercised without could bardly have ascended the rhetoric.—Nature. court-house steps with more reluctance than I did. And when I entered the court-room, and found Gilbert and his wife already there, and noted the hopeful look with which the latter greeted my coming, my heart sickened at the thought of the bitter

disappointment coming.
"The People vs Gilbert," called out the judge, after disposing of some formal matters.

A jury was immediately impaneled and the case opened by the District

Mr. Meek was the first witness. The nervous, hesitating manner in which he gave his evidence would have greatly damaged its effect had it not evidently arisen from a dispo-

sition to do the prisoner as little hurt as possible. But no softening could break the terrible force of facts he was compelled to relate.

In his partner's absence he had employed George Gilbert as a clerk; had found him competent and trustworthy; had sent him on a trip to make collections; after receiving a considerable sum, he was induced by a respectable looking gentleman, with whom he had casually falten in, to join a social game of cards; at first they played for amusement, then for money, and after losing all his own, in hope of retrieving his loss, with the fatal infatuation of that dreadful vice whose end is swift destruction, he had hazarded and lost the last

his employers. Mr. Meek's voice faltered as he to volunteer something about the his arm than he cried out in a wonderprisoner's good character when a disapproving glance from Mr. Mangle brought him to a halt.

Just then the prisoner chanced to turn his head, and catching a glimpse of the senior partner, who had just entered and was standing among the crowd, he started quickly, then whispered hurriedly in my ear.

"Turn aside your face," I whispered back. And the case for the prosecution was closed.

"Have you any witness for the defence?" inquired the judge. "I will call Hezekiah Mangle,"

A buzz of surprise greeting the announcement, in the midst of which their Maker. To the honest inquirer, Mr. Mangle stepped forward and was

"You have been absent for the past year, Mr. Mangle?" I began.

"I have." "Traveling in different parts?" "Yes, sir.

"The prisoner was employed by your partner in your absence, and was arrested about the time of your return?"

"Such was the case." "Have you everseen him?" "Not to my knowledge."

"Or met him in your travels?" "If he will turn his head this way can tell better."

At my bidding Gilbert turned and faced the witnesss.

The effect was electrical. Mr. Mangle turned red and pale by turns. "One other question, Mr. Mangle,

done, he came back and confessed while on your travels?" and I named

The man of iron nerve hesitated Mr. Meek, the junior partner, was worse than his amiable partner had go up town, see the streets, study archivelling to be merciful, but Mr. Mandone. He was halting between a tecture, steal a dog, and this afternoon tecture, steal a dog, and this afternoon tecture, steal a dog, and this afternoon tecture. gle, the head of the house, who just point blank lie, which might entail I'll feel as if I was born here and had

> Cowardice performed the office of science, and the truth came out. The had lost, had been won by the senior partner; and the court instructed the jury that, as the sum in question had count to his associate, the prisoner could not be convicted.

The pale, despondent face cheered up a little. My words seemed to tered the happy little wife. "I knew you would bring us out all right."

It was evident the truthful woman's nature gave me all the credit of a result in whose achievement my share had been next to nothing.

The lesson was not lost on George Gilbert. His first false step was his last, and the richest fee I ever received was the heartfelt gratitude of of his noble, faithful wife.

Instinct or Reason.

A small English terrier, belonging to a friend has been taught to ring for the ser-vant. To test if the dog knew why it rang the bell, he was told to do so while the girl was in the room. The little fellow looked up in the most intelligent manner at the person giving the order (his master or mistress, I forget which), "Nor have I asked you," I replied, (his master or mistress, I forget which), not a little nettled. "I have merely then at the servant, and refused to obey, although the order was repeated more than once. The servant left the room, and a few minutes afterward the dog osity to press or not to press this rang the bell immediately on being told to do so. I give the following as told by my wife, now dead, who personally witnessed the transaction on various occasions. At her sister's house in Kent, a donkey which, when not employed by quibs and quiblets, could see that. the children, grazed in a field with some Besides, there is something rather cows, was in the regular habit of acting as cool in the proposal to retain your follows: At the usual hour for the cows to the brakeman: friend in our employ under pretence of working out the money ha has lifted the latch of the field gate, opened and held back the gate (which otherwise stolen, with the opportunity of filch- would have swung close again) till all the cows passed out, then allowed the gate to I felt my temper rising, and not shut, and went home with the cows. caring to imperil my client's interest course no one taught the donkey to do by an outright quarrel. I took a heaty practical lesson, from which I am not aware that they drew the abstract verbally formulated the conclusion

> Rubber hose is made by wrapping rubber cloth around a tube of the required sufficient time to steam pressure of eighty pounds to the square inch, equal to 280 degrees Fahrenheit, which melts the sulphur and vulcanizes the gum. The tube is then withdrawn from the bose.

> One of the latest uses proposed for steel is in the making of tin-plate, and some prominent manufacturers, it is said, are about to adopt it in the place of iren.

Come and be shone.

The Detroit brigade of bootblacks was increased by one recently. A passenger train from the East carried one more passenger than the conductor knew of because the said passenger was concealed on the trunks and looked more like a hunk of mud than a live boy 14 years old. He came across the river with the others, and after a brief look around the depot he

walked up to a hackman and said : "Old boy, I'm right from Jersey City, with nothing to eat for two hull days and not a red cent in my pocket. I'm game, I am. Lend me a quarter and I'll make it

a dollar before noon."
"I don't know you," replied the back-

"Nor I you, but that's all right. A man who won't lend a live boy a quarter to get a start in life is no man at all. Come what d'ye say?"

He got the money and walked up to a bootblack who stood shivering in the cool

air, he said:
"Boy, you'll never make a shiner in the world. Your forte is landscape pointing or counting bank notes. I'll gin ye a quarter for yer kit, and if yer ever want dollar of money he had in trust for noney for a pint of peanuts call on me."

It was a trade. There was a new box of blacking and a pretty fair brush, and closed his narrative. He was about the new boy no sooner had the box under

> fully shrill voice: "Come and see me! Come and be shone by a chap who can make yer butes look nicer in two minits than a slouch could in four days. Hold out your feet

> He secured five "blacks" as fast as he could work and in twenty minutes he had paid back the quarter. In half an hour he was fifteen cents ahead, and then he

rubbed his aching arms and said : "I've got to drop suthin' down for my stomach to lay hold on, and then I'll come out and make the fur fly. It'll take two hours to get limbered up and feel like a buzz-saw run by chain lightning, but when I do get to work in earnest I shall use up a brush in nine minits all day long

After he had procured a cheap breakfast at a restaurant he found himself confronted by four or five bootblacks, who looked as if they had planned to give him the bounce.

"Morning gents," said the new boy as he looked from one to the other. use giving me any copperas, my beauties, for I've struck this town to stay. I'm right on the black. I'd rather black butes, but I kin black eyes if I'm forced to. I'm a Keeley motor—only more so. I strike, kick, bite and pull hair all at one motion, and it takes three policeman to pull me me away from the mangled remains of my victim."

The boys consulted together and concluded not to tackle him, and in five minutes more they were giving him their friendship. He led them back to the de-pot, stood them in a line and said:

"Now slouches, you stick by me and I'll stick by you. This town bain't never bin haif worked, and I know it. Down East we all thought you used dishwater and stove-blacking instead of shoe-polish, Repress ver emotion a few minutes and see me tear myself to flinders."

The new boy moved around like a top, worked like a pony engine, talked like a candidate, and made twenty cents in about ten minutes. Putting the "chink"

"Sixty cents afore ten o'clock of the first day is good 'nuff. Now I want to while I'm gone!"

He Wanted Some "Scenery."

On a train coming east over the Central Road the other day was a Californian bound for New Jersey, and the train had scarcely left Chicago behind when he stopped the conductor and said: On which side of the car can I best see

the mountains?" The conductor told him that there were no mountains along the route, and

the man indignantly replied: "What in blazes did you build the road for? What do you suppose I'm traveling for? This must be a one-horse road if it dont take in at least one mountain!"

He cooled down after a while, but in half an hour he tackled the brakemen with the query: "Does this road pass by any old ruins of

interest? The brakeman couldn't remember any ruins except an old log house here and there, and the Californian was man in a

"Do you think I shipped on this road as freight or live stock?" He called out. "If you don't run past any old ruins why don't you say so on the time-cards, and not be deceiving the people?

When the conductor next came along, the Californian was looking from the window to catch sight of the bridges, and he turned and said:

"If we come to any bridges over eight hundred feet long just give me the world. I don't care about seeing any shorter

The conductor had to admit that the road was trying to get along with a few short bridges, and the passenger bobbed around in his seat and replied What did you wan't to build your old

road for? If you haven't any long bridges on the line why don't you hunt for a new About thirty miles west of Detroit the

Californian caught sight of a lake afar off, and going out on the platform he asked "Don't we run along the shore of that

lake, over there?" "No; we are as near as we shall go." "You are, eh? Then that settles this When I come back I'll road with me! ride in a lumber wagon! your confounded railroad and eat it, but you can't fool me again. Looks to me as if the folks who built it simply wanted to connect Detroit and Chicago, and don't care a cent for scenery. I'll get off at the next station and walk."

Physicians and dentists who use small mirrors to explore the throat and teeth, astronomers employing large mirrors out of doors, all who have occasion to use spyglasses in foggy weather, and especially those near-sighted persons who cannot shave themselves without bringing their noses almost in contact with the lookingglass, are doubtless aware that the lustre of mirrors becomes soon dimmed by the breath, by dew, and generally by water in a vaporous state. The way to prevent this troublesome fog is simply to wipe the surface of the mirror before using, with a rag, moistened with glycerine. By this substance watery vapor is completely taken up.

Scientific Notes.

Ivory is rendered flexible by steeping n a solution of hydrochloric acid.

For attaching labels to glass or porcelain, gum tragacanth is generally employed.

Zinc white does not possess the body of white lead, requiring more to cover a given surface

Dr. Otis Johnson of the University of Michigan, gives the following new test of arsenic: Place the mixture containing arsenious or arsenic compounds in a Marsh apparatus, with a concentrated solution of potassic hydrate and a little aluminium wire. Upon warming, arseni-ureted hydrogen wil! be evolved, which may be subjected to the usual tests. If, however, the gas blackens argenic nitrate, the proof is quite conclusive, since antimony by this process is not converted in-to antimoniureted hydrogen.

Boudet, of Paris, secures an electrical inscription of speech in this way: A very sensitive microphone, in which the carbons are held together by a piece of paper folded in the shape of a V, is used as a sensitive. transmitter. The receiving telephone has the diaphraghm and cover removed, and a string fixed at one end on the wood, and at the other end to a small piece of soft iron resting on the magnet. A light bamboo, with whalebone point, is attach-ed to the spring, and makes representa-ive traces of the words received on decalcomanie paper.

In a recently-published work of M Gaston Plante, Recherches sur Electricitie the author suggests that the electric current, under certain conditions, might be substituted for diamonds in the operation of drilling rocks. He states that electrodes of platinum would not be necessary, for here it is not the metal of the electrode that is a saline solution. Metallic points to projections suitably located at the extremety of the drill, isolated on a part of its length and actuated by a rotary movement, would lead the electric current to the surface of the rock to be pulverized, and would thus replace those numerous and expensive diamonds which are set in the head of the drills employed in the present system of rock boaring.

FISH BREEDING.-The Wisconsin State Fish Commission this year have had hatched at the Milwaukee and Madison hatcheries, and distributed, \$10,000,000 Lake Michigan whitefish. These have been planted at various points in the lake. Some 4,000,000 Mackinaw trout have been planted this season in large inland lakes and favorable spots in Lake Michigan. Five hundred thousand Lake Mendota whitefish have been distributed in the larger lakes of Eastern Wisconsin. There is a very large demand for these fish this year. The Commission have 50,000 Mackinaw trout at Nine Springs for distribution to private parties who desire them as breeders. Mr. Welch is corresponding with Seth Green with a view of obtaining 100,000 eels from Hudson river. These will be replanted in the small inland lakes. It is the intention of the Commission to take large quantities of black bass early in June from the inland lakes where they are running in large shoals and transplant them to waters where there are none. Mr. Welch says he is constantly receiving letters from all portions of the State reporting that the young fish planted by the Commissioners are appearing in great numbers, especially the Mackinaw front and speckled trout of the first distribution, while whitefish have appeared by millions upon the

An Arctic Relic. The old Arctic ship Resolute, which formed part of Captain Austin's expedidition in search of John Franklin in 1850, is about to be broken up at the Chatham dock yard. Ornaments and handsome pieces of furniture are to be made from the best timbers, which the Admirality intends to present to the President of the United States as a souvenir of the occasion when the ship was found by American whalers abandoned in the ice, and the government of the United States had her repaired and re-fitted, and presented her to the British Admirality. This ship was sent to England in charge of Commander Henry I Hartstein, who received the Queen and Prince Albert on board, and was in turn entertaired at the palace, dining with the royal family. Before her abandon-ment in the ice the ship received on board Castain McClure and his companion from the Investigator. The last named vessel had entered the Arctic regions from Behring's Straits, but had become beset in the ice, and her company had deserted her and were traveling over the ide in hope of escape to the eastward when they met a portion of Captain Austin's crew. Hence McClure and his companions may be said to be the only persons who ever went through the northwest passage.

Use Good Language.

We advise all young people to acquire in early life the habit of using good language, both in speaking and writing, and also to abandon the use of slang words and phrases. The longer they live the more difficult the acquisition of good language will be; and if the golden age of youth, the proper time for the acquisition of language, be passed in abuse, the unfortunate victim of neglected education is very probably doomed to talk slang for Money is not necessary to procure this education. Every person has it in his power. He has to use the language which he reads instead of the slang which he hears; to form taste from the best speakers and poets of the country; to reasure up choice phrases in his memory, and habituate himself to their use, avoid ing at the same time that pedantic precision and bombast which show rather the weakness of wasted ambition than the polish of an educated mind.

Nature's Remedy.

People who, without knowing that they were applying nature's remedy, have drawn in their breath hard when they have cut a finger or barked a shin on a coal scuttle, will be pleased to learn that they have employed respiratory analgesia in its simplest form. If any man will draw breath deeply and quickly for the space of three minutes or less, he will thereby lose acute sensibility to pain, so that he can endure a minor surgical operation without inconvenience. Eminent surgeons have found the process of great advantage when used alone, not only, but when ansesthetics also were employed, in which latter case the quantity of the drug to be used is gas by diminished.

AGRICULTURAL.

THE CHRYSANTHEMUM. — Unlike many other beautiful plants, the chrysanthemum is very easily cultivated; suckers slipped from the parent stool in April or May, before they become inconveniently long, strike freely when planted in pots or under a hand glass in the open border; or two or three inches of the der; or two or three inches of the extremity of a shoot, taken off at this time and planted in a small pot in light, rich earth, and placed in a cold, close frame, or even in the open air, will put forth roots. By shifting it into a pot of larger size, filled with very rich soil, and pinching off the extreme point as soon as it begins to grow, beautiful, low, well-furnished and fine flowering plants will be obtained. They require abundance of water, and if this is once neglected the lower leaves fall off, and the plant loses much of its beauty. Liquid manure may be applied once a week. Handsome drawf plants may be procured as follows: In August, take a sucker, it matters not how long, and having put some rich compost into a small pot over a piece of broken tile, spread the roots of the sucker on it and coil the stem around the inside of the pot, so that only a couple of inches of the extremity shall appear ahove the earth in the center. The same result may be obtained by layering the extremity of the shoots into small pots; they soon take root and may be separated from the parent plant.

by cheese dealers from abroad that the quantity of fine fall American cheese is comparatively small. This is accounted sort to skimming, for as soon as the hot season is over, and patrons can send their milk in good condition, the spirit of greed prompts skimming, and the reputation of the factory is spoiled at the very time when there is a chance to enhance it. The September and October cheese are those which are required to carry over for spring use, and, when these are rich and solid, there is a chance to get an order for from abroad for next seagood them son. But skimming prevents this. Moreover, makers seldom fully realize the effect of skimming. It alters the condition of the milk which they have to this, in connection with the colder weather, delays the development of acid The maker tires of "waiting and watching," so the curd is dipped too soon, and the result is poor, open textured cheese. Full cream October milk, properly made into cheese and well cured, should be the very finest of the season, such as would be rich, mellow and fine flavored in April or May. Makers must see to it that the cold, clammy October make is superseded by a solid, firm, rich, well cured cheese. Patrons will assuredly find it to their interest to send only pure, sweet, full milk to the factories. Robert McAdam.

FALL CHEESE.—It is often remarked

GARDEN CULTURE OF CRANBERRIES,-Prepare the ground by deep plowing or spading, and enrich it well in the usual way, or with a compost of two parts swamp muck and one part wood ashes. Bone dust is an excellent applicationsay, one pound to the square yard. In April, May or June, or in October and cover the ground and require no renewal, as the plant is a perennial shrub. The cranberry is one of the best plants for garden edgings, or for broad belts or borders for the principal walks. It is easily trimmed and kept in order, and is always attractive in bloom or in fruit, and, being an evergreen, in winter. For edgings, plant six inches apart in double rows four inches asunder. For belts and borders, which may be one-half to two feet wide, plant as above directed for bed. As soon as it is known how easily every family may grow its own cranberries, the cultivation of this wholesome fruit will be introduced in every garden. It is in eating from Sep-

tember to June. when a bird is attacked with the characteristic cough of the malady, or has tenacious mucus about the beak, with wicker coop in a quiet shed, and put beabout a gill of water, with which I have mixed one drop of solution of aconite, third potency-may be had of any homeopathic physician. In every instance during three years this treatment has had an effect almost marvelous, for, upon visiting the patient an hour or two afterwards, I have found that the symptoms have vanished. The attack for a day or tion has in no instance with us failed completely to remove the ailment in about forty-eight hours. In case the disease should have made so much progress before it is observed, that the sufferer is unable to drink, it will be necessary to give the dose. This is easily accomplished by pouring into the throat about a teaspoonful of water every hour.

A calf will draw milk in three minutes, and the nearer a milker can come to that time the better. A slow milker makes a cow impatient, and often causes her to hold up her milk. The "strippings are the richest part, and if a cow is milked quietly as well as quickly there will be more as well as richer milk because of these "strippings."

A Holstein cow at Elgin gave 12,610% pounds of milk from the 12th of May, 1873, to the 5th of March, 1879—293 days. The largest amount in any one day was 71% pounds; the most in any one week, 470% pounds. The milk was weighed as soon as drawn from the cow.

A man at Madison lost a cow the other day from the effects of eating oleander buds. Persons in cutting this shrub, the oleander, should be very careful not to throw the cuttings into the streets or alleys, for they are sure death to the cow or horse that eats them.

Horn is colored by boiling it in infu-sions of colors. Imitations of tortoise shell are made by applying hot a solution of pearlash, quicklime, litharge and dragon's blood. This is laid in streaks and blotches to imitate the shell, and the second application gives the darker spots.

Queer Contents of Letter Boxes.

A Boston paper says that the carriers who collect the mail from street boxes sometimes find queer deposits therein. Loose silver coins and loose postage stamps are among the principal discoveries, while a carrier the other day brought in a bank-book containing 885 in bills, which he had taken from a lamp post box. The most remarkable instance of absentmindedness in this direction was the case, not long since, of a young man who daily carries two leathern bags one for mail and one for money, etc. He deliberately, in a fit of abstraction, walked up to a box in the Boston postoffice, and emptied the contents of one bag, containing several bank books and bills and checks amounting to thousands of dollars, in the mail box, and did not discover his blunder until he went into the bank and handed the receiving teller a bunch of letters. That young man's face, it is said, grew so pale as to frighten every one who saw him rushing through the streets, eyes distended and heart thumping loudly in his wretched bosom. He was made a happier and a wiser man on receiving at the business office the bank books and money, in place of which he gladly tentered his bundle of mail

Remarkable Incident.

A circumstance of somewhat remarkable character, says the Petersburg (Va.) Index-Appeal of May 27th, is reported to have occurred Sunday during the baptizing at the basin. Among the 54 candidates who received the ordinance at the bands of their pastor, Rev. Henry Wilfor by the fact that so many factories re- liams, Jr., was a colored man named Burwell Lancaster, a deaf-mute since infancy. When he was raised from the water, after immersion, according to the testimony of those who stood around him, he suddenly recovered his voice, and, in clear and distinct tones, cried out: "Thank God! Thank God!" To those who had never heard him speak a word, and who had regarded him as dumb, these words of thanks came with startling effect, and among many of the colored people, taken in connection with the occasion, the circumstance is regarded as akin to a miracle. The occurrence created a great deal of comment. What is equally as remarkable, is the fact that the man, after uttering these words, returned again to his work, retarding the desired change, and mute condition, and has been unable since to say anything further.

Spring Perils.

The first sunshine of spring is deceitful, and the draughts of air pernicious. One needs to be as carefully swathed in flannel during the spring thaw as under the permeating influence of an autumn freeze. Changes of temperature are insidious as they are sudden at this season, and it behooves people with lungs susceptible to atmospheric alternations to be most careful indoors and out; to wear garments appropriate for all seasons, never trusting to chance. A heedless person may throw upon overtaxed shoulders a burden grievous to be borne by inattention to things which only a perpetual consciousness of facts could spare them. I know an estimable lady who, after three years of constant care on the part of friends, terminated her frail life by a willful deter-mination to take a sleigh ride of a few blocks. Her lungs despite the muffling in rich fur, could not resist the influx of November, set the plants four inches strong air; congestion ensued, and the apart, in rows six inches asunder, in home was broken. Life is too brief and spawning-beds along the shores of Lake beds four feet wide. Two square rods too precious for such experiments; it is a Michigan that for a dozen years have been will yield four or five bushels, and require 2000 plants. The vines will soon coward and an idiot will recklessly risk or throw away. Hence, it behooves us to make the most of the immunities of art science which tend to prolong, to preserve or embelish it, to garnish the temple in which the Creator has put His soul to dwell, as to render it acceptable here or hereafter .- Newark Advertiser.

> A SILVER COMMISSION WANTED.-The New York World hopes we have a silver commission: What should be done at once by the Government at Washington as soon as Congress adjourns, is to appoint a new diplomatic commission to negotiate respecting silver coinage with the great powers of Europe, and to invite European co-operation. The commission should be so composed as to command respect and confidence in Ber-REMEDY FOR ROUP.-To cure the roup, | lin, Paris and London, which is as much as to say that it should fairly represent all portions of the country and all serious opinions on the subject, and all difficu'.y of breathing, I place it in a the interests in the country. Its members should be men competent and willfore it a drinking fountain containing ing to take up the coinage question and examine it anew and from the bottom. They should be men capable of orally discussing the subject in the language of European diplomacy, and men who appreciate what international diplomacy means. A commission made up by Evarts, and comprising such eminent citizens as Fish, Seymour, Adams and Belmont from the Eastern States, and two is liable to return, yet each time in a representative men of equal standing lighter form; but continuing the applica- from the Western and Southern States, could not fail to do much towards bringing about an understanding between Washington, London, Berlin and Paris. A little of the industry and good sense shown in the Alabama negotiations would accomplish all that is needed about silver. Such negotiations would be much more useful for silver than any amount of declamation to approving or disapproving audiences in Ohio, under the hot sun of July or August, about the "dollar of our daddies."

> > A New Fire Cistern .- A new fire cistern, by Mr. R. T. Scowden, city engineer, was lately tested at the corner of Thirteenth and Magazine streets, Louisville, Ky., and proved to be entirely satisfactory. This cistern is different from any fire cistern ever used before. It is constructed to hold three hundreds barrels of water; the body of the cistern instead of heits, perpendicular is horizontal, lying parallel with the course of the street, cylindrical in form, the walls being of brick and cement, thirteen inches in diameter, with the crown twenty-four inches below the surface of the street, the outlets being near the ends. The idea of this plan of cistern is to obtain more than one outlet, which is impossible in those now in use, so that a great number of engines can be operated from one receptacle. Another advantage claimed for it is that the cistern from the nature of its construction, cannot be crushed in from the street above. Everyone who saw the test were much pleased, and were ready to acknowledge the superiority of this cistern over those now in use. It is likely that they will be extensively adopted in the future.

Chloride of zinc is an admirable disinfectant for foul liq sid (one part in 200 of water). This is used by order in the German navy for bilge water.