### LIVING MONARCHS.

A List of the Crowned Heads now Ruling in Europe.

the oldest sovereigns of Europe. In May of me in it.' this year she will be 70 years of age. She has been on the throne for half a century. | was, my love?" asked the child's mother, She enjoys good health, and bids fair to live anxiously. and reign for many years yet. If she attains the age of her grandfather, George thing like it. It was like this." III., she will wield the sceptre (barring accidents) up to the year 1901. If at that his plate and began to trace out with great time her son, the Prince of Wales, becomes distinctness the shape which he saw in his King, he will have reached the ripe age of dreams.

60 years. years of age, and his Empress, the daughter | watched him with sinking heart there grew of Queen Victoria, is 49. Judging from under his little fingers the exact outlines of photographs, he does not closely resemble a coffin. his departed father in the face, but she "It was only a dream," the mother said, looks very much like her mother. If and forbore telling the happy child what Frederick should live to be as old as his ill-omen his dream had wrought. his crown (barring accidents) up to the died and the broken-hearted mother was year 1922. His ailments dim his prospects fain to confess that there was smoe dread but the Scotch Dr. Mackenzie may banish and potent necromancy in dreams.

his ailments. 53 years old, and if he should reign till he spirit of divination. A little girl of 4 years reaches the age at which his father died he old, while yet well and with not the slightwill be king up to the year 1910. He has est intimation of coming illness, said to her been on the throne nearly twenty-three mother:

years. is 58 years old, and he has worn the imperi- me, mamma. al crown for forty years. His predecessor was his uncle, who abdicated the throne in | for talking so foolishly but the child insisthis favor when but 55 years of age, because ed and added this statement: he was tired of the turmoil and trouble. Francis Joseph is a polished scholar, a lin- man) will die, and there won't be any one to guist, an equestrian, an admirer of mili bury him." tary pomp, and a charmer. He is healthy, and bids fair to reign for a long time yet of the child's manner created a passing im-(barring accidents).

and throne is in the eternal city of Rome.

Victoria, and is the second oldest monarch | man near to officiate. in Europe. He has wielded the sceptre for | It may be possible that the coming of

The King of Sweden and Norway, Oscar II., is in his sixtieth year, and has reigned for sixteen years. He has favored some re-

years a King.

The power and authority of the King of | this is what the friend in Missouri wrote: Spain, Alfonso XIII., who is not yet two years old, is limited by the regency of his to you? Are you in the flesh or out of it? mamma. He never saw his royal sire.

lenes, Georgios I., is 43 years of age, and hear that you are well and happy and gay as has been King for a quarter of a century, or ever." since he was 18, at which age he was elected to the Hellenic throne. He finds it a plunged into the deepest sorrow, and her hard job to rule the modern Greeks or keep letter had been mailed forty-eight hours their favor.

Hamid II., is 46 years old, and succeeded to the throne twelve years ago, when the majesty who preceded him was deposed. He is the twenty-eighth Sultan since the con- conclusion of a cloudy brain, nor the chimquest of Constantinople by the Turks.

III, is the oldest monarch in Europe, being | sire it? now of the age of 71, and entered upon the fortieth year of his reign on St. Patrick's Day, though he is a scion of the royal house of Orange. Even in Holland the old monarch is merry at times.

The King of Roumania, Carol I., is 49 years of age, and was proclaimed King only seven years ago, but before that time he had been for fourteen years the Domnul of his

subjects. The King of Servia, Milan I., is 34, and was crowned only six years ago, but before that he had held the throne for fourteen years by election as Prince Milan Obrenovic IV. He is the fourth of his dynasty since Servia threw off the Turkish yoke in 1829. His predecessor was assassinated.

The reigning Prince of Montenegro is Nicholas I., who is 47 years old, and has

reigned for twenty-eight years. In Germany there are three Kings and a Grand Duke besides the Emperor of Germany and the King of Bavaria, the king of Wurtemburg, the King of Saxony, and the reigning Grand Duke of Baden.

There are in Europe two kingless countries-France and Switzerland. Both of these republics seem to be able to get along and keep the peace without the guidance of Kings or Emperors.

The President of the French republic, Mr. Carnot, is 51 years of age, and was elected to office in December last. He is a graduate of the Polytechnic School in Paris, and held various offices before his election as President. There are over 38,000,007 people in the French republic.

In the republic of Switzerland, the highest official of the Government is the President of the Federal Council, who is elected by the Federal Assembly, holds office for the term of one year, and enjoys a salary of \$3,000 per annum. The President for the present year is Mr. W. F. Hertenstein. A President is not eligible to re-election until a year after the end of his term of office.

Before the wedding day he vows and protests that his dearest care will be her happiness, and that there is no sacrifice too great for him to make to secure her comfort. Three months after they are married she has to tack the blankets to the side of the bed to keep him from rolling himself up in all

the clothes. An extremely interesting experiment has Mass. He sent nine carrier pigeons to Lonthird was found in the Alleghany Mountains in Pennsylvania. The owner's address was were found, the birds were returned to the owner. The other six birds were not recovered.

Dreams and Forebodings.

A little child related one morning at breakfast a curious dream.

"Mamma, I thought some men came to the house and they had such a funny little Queen Victoria now holds a place among box and they said they were going to put

"Did you dream what shape the box

"Oh, yes, mamma, and I never saw any-

The child took some bread crumbs from

He had never yet looked on death or seen The new German Emperor Frederick is 57 any of its paraphernalia, yet as his mother

father, and perhaps he may, he will wear But in a few days the child sickened and

A circumstance within the knowledge of The King of the Belgians, Leopold II., is the writer seemed almost to partake of the

"Next Sunday I am going to die and Mr. The Emperor of Austria, Francis Joseph, Lever (the Episcopal clergyman) will bury

The child's mother reproved her gently

"The Sunday after Mr. Lever (the clergy-

The uncommon remark and the solemnity | pocket.

The King of Italy, Humberto I., is 44 illness. She was taken ill with congestion -Yes, sir. Papa-Be careful, now. I'll years old, and has worn the crown since the of the brain and was buried, as she had pre- ask mamma, and if she says you didn't ask death of his father, ten years ago. He is dicted, on the following Sunday by the cler- her I'll whip you for telling a story. Did but the second of the Kings of United Italy gyman, who had also baptized her. Now you ask mamma? Three-year-old-Truly, comes the incredible part of the story. The papa, I asked her. (A pause.) She said I The Emperor of Russia, Alexander III., clergyman, until then in perfect health, couldn't have it. is 43 years old, and mounted the throne sickened and died; but it was not on the after the murder of his father, seven years | successive Sunday he was buried, as little Mary had predicted, but on the second fol-The King of Denmark, Chrstian 1X., is lowing, and the funeral service was conduct-70 years of age, or a year older than Queen | ed by a lay brother, there being no clergy-

a quarter of a century, or just half as long death oppressed the child, and she appreas the British Queen. One of his daughters | hended her own sudden demise. But why is the wife of the Russian Czar; another of | should she anticipate the death of her friend, them is wife of the heir apparent to the and whence came that occult knowledge British crown, and his second son is King of | which breathed forth in the spirit of prophesy from little Mary's infant lips?

A few years ago a lady living in Chicago received a letter from a friend residing in Hannibal, Mo. Before the letter reached its destination a terrible disaster had oc-The King of Portugal, Louis I., is 50 curred and an awful bereavement had fallen years old, and is a man of enterprise and on the friend to whom it was written. Yet progress. He has been for twenty-seven three days before the accident happened, at a distance of many hundreds of miles,

"Where are you? What has happened Wherever I go your anxious, troubled face The King of Greece, or King of the Hel- comes before me. I can do nothing until I

It was two days later that ner friend was when the telegraph flashed through the The sovereign or Sultan of Turkey, Abdul | country the tidings that carried sorrow into half a hundred happy families.

ception that is not a dream nor the mottled upon his face, I'm worried about that heifer era of a too vivid imagination, but which is The King of the Netherlands, William thrust upon us when we least expect or de-

#### Mrs. Magoogin Attends the French Ball.

"Toozy, me daughter," said the Widow

Magoogin, lifting her distended head from her damask couch. "Well, mimmaw."

house, Toozy?"

"Yes, mimmaw." "An' anny floppooed oice, Toczy?"

"Frapped, mimmaw." "Frappel ur frappooed, me darlint, aff id's an the primises gimme a bowl av id, fur Boston Congregationalist. There was Cot me head is bushtin'.'

"Ye towld me fwhat, Toozy?"

sober, mimmaw."

daughther," said the widow, with a groan; eulogist remarked, between such a record "Ora wora my, but twhy didn't Mare Clarke | and the "25 or 30 spurts of petition" which pit a shtop to that Frinch ba'l an' pervint it' fram evintuatin' at all, at all, as Mrs. newadays. Goalets wud say. How did Oi get home, Toczy? Who brung me to the dure an' foired me in! Was id in me own coop, me daughther, or was id in a han'cart Oi kem to me dommysoil this mawrnin' b'ilin, an wid me byootiful pheasant dhress fluttherin | windows, chimneys and doors of a Jarvis

in the blizzard?"

mimmaw," answered the daughter. "Oh, Oi did, did Oi," said the widow ber's was so startled that he fell into a pudwith a new-fashioned moan; "Well, Oi'm glad av that, Toozy, fur it'll save iz a grait dail av shcandaloizin' intoirely. Oh, but Oi'm glad Oi'm aloive this blessid mawrnin' his wont during the last five years, he called afther the shlathers of shampagny mesel' an' Hair Wienbowwowshky desthr'yed at the ball lash' noight. Who was that was in the box wid iz, Toozy? Hang a wan av me usual easy manner for an hour, when Paulknows anny wan av thim savin his fwhishkers Hair Wienybowwowshky. Ow, wow, dropped her head on his shoulder. The but fwhat a toime we had-me head's the frightened young man could only gasp and soize av a wather bucket this mawrnin'-an' spring away; but she followed him. me throat--oh, me throat's that hot an' burnin' that id makes me feel as aff Oi'n What do you mean?" She fell on her knees nuver seen a dhrap av wather in me loife. at his feet, on a rug which represented a Oh, aff Oi only had me mout' undher the woolly dog playing with a sky-blue cat. hoydrint, Oi'm thinkin' Oi'd dhrink uv'ry dhrop in th' aqueduck afore Oi'd laive off. | ly, "I mean that I love you. I have waited Shampagny's a turrible head bushter, so id long for your declaration. You have not is, Toozy! An' id's a pockit bushter, too, made it. The time has come. Love me you me daughther! Begorry, d'ye know that must and shall. So saying the heroic girl Hair Wienybowwowshky forgot to pay fur clasped her lover in her arms. He wrenched the woine, an' bang his Roosian buttons but himself away and rushed to the door. It Oi' had to fork over the money meself. But was shut and locked. "You cannot escape been made by Mr. J. Wagner, of Boston, Hair Wieny towld me Oi lukt so noice in me," cried his inexorable pursuer, "You are me coshtoom. Oi shuppose Oi did, Toozy. mine." Then it was that Claude Jones' lips don by mail-steamer on October 9, 1886. Oi wish the McGaggertys kud have seen parted in one long wail of agony and he Shortly after their arrival they commenced me! Ow, but Oi musht have med the b'ys' dropped supine on the floor while the girl their long flight home across the Atlantic h'arts lep fwhin they clapt their eyes an me! gazed pitilessly into his eyes. They will Ontario Government to investigate the whole birthday?" Ocean. Up to January 10, 1887, three of But oh, my-me head's bushtin' wud the be married in June. these birds had returned; one arrived in hait an' me throat's crackin' wud the drooth. Boston direct from London, the second was Hurry, Toozy, wud the flappooed oice recovered near New York City, and the wather! Give me enoof av id to dhrown mesel' in id. Urra wurra! wurra! wurra! but id's a long toime agin fore Oi'll be found painted on the birds' wings, and, when they at a Frinch ball dhrinkin' shampagny wud a hairy Roosian, an' layin' np a shtore av Mr. Dumley? Dumley (a produce broker) - and now no time ought to be lost. The sarry fur mesel' loike that Oi'm nursin' this Quiet but strong, madam, and in little de- thing needs to be pushed, and we hope blessid mawrnin'."

#### WIT AND WISDOM.

A man has turned up in Illinois whose name is Ananias Stewart. His father, in giving him such a name, must have been somewhat mixed in his Scripture collections. Or, possibly, he intended him for a real estate agent .- Lincoln Journal.

It is not true that the people of this nation or of any other nation work too much. They may fret too much, or they may confine themselves too much to one eternal grind of the same kind of work, but work well and intelligently done kills noboby.

amateur gardener this time last year, if he

The Genoa, Nev., Courier tells of a tough young squaw who walked through the village barefooted the other day when the therup her toes a little to keep them out of the snow, but otherwise paid no attention to the cold.

Lady-"I like your picture so much, and I would dearly love to be an artist. Won't you tell me the secret how to do it?" Artist -" Most willingly, madam. You have only to select the right colors and put them on the right place." "Oh, thanks, awfully. I shall go home now and commence right

Johnson-Your brother is spending his winter in Florida, I believe. Health bad ? Jackson-He's there for economy, not health. Johnson-Economy? Jackson-Yes. He calculated that the saving in coal and Christmas presents would pay railroad fares both ways and put money in his

pression, which was forgotten by her sudden | you could have that apple? Three-year-old

Mormon elder (to shoe dealer) : I want to get a pair of shoes for my wife. Shoe dealer-Yes, sir. What number, please ? Mormon elder-Seventeen. Shoe dealer-Seventeen? Great Brigham, sir, we haven't French-speaking provinces of Belgium, shoes that large! Mormon elder (sternly) -I'm not speaking of the number of the shoes, sir, but of the number of the wife."

come out to our town to locate. "How her recent implacable attitude? And who, about the climate ?" "Simply wonderful. recalling the amazing historical transforma-Italian skies and balmy winds and all that tions in French policy-as, for instance, the sort of thing. Never have such storms as abrupt alliance with Austria in 1756 after you are accustomed to." "Where is Brigsby more than two centuries of warfare-can rewho went out there six months ago?" "He gard as impossible another sudden revolution was frozen in the last blizzard."

A good joke is told in connection with President Cleveland's passage through Pahands, but him he addressed personally. When asked how that was, he replied, "The President told me to pass on."

"I feel so tired every night, John," said a farmer's wife, as she took up her darning after the day's work was done. "My bones ache, and I have fits of dizziness and no appetite; and I'm worried, too, about the heifer, John. When I was feeding the stock to-night she acted very strangely, and refused to eat. I'm afraid she's going to die." How do you account for it? The per- "Yes," said John, with an anxious look

June color in butter is a fact. It is un fortunate that artificial coloring in imitation of Nature's hue in June does not impart her June flavor. Here is where the only chance for deception comes in. The color suggests the flavor, and the popular notion that high flavor goes with high color has some foundation in Nature. Herein probably lies the secret of the popular preference chivalrous motives. "Is there air a dhrap av wather in the for high color. The palate is in a measure cheated through the eye. So, by common consent, if not from popular demand, artificial coloring is practiced. But it need not deceive, and we presume no one is deceived.

Yes, times have changed, remarks The ton Mather, who, according to the essayist "I told you so, mimmaw," said Arethusa. at the Boston ministers' meeting recently, preached at his own installation a sermon "That you'd be sorry when you were lasting an hour and a half, having prefaced it with a prayer whose duration was an hour "Throth'n ye towld me the throoth, me and a quarter. There is a contrast, as the are sometimes offered at a prayer meeting

#### She Got Him, For it Was Leap Year.

A wild symphonic yell burst from the St. residence last evening about ten o'clock. "You came home in your own coupe' A man who was cautiously letting himself slide down town to get a shave at the bardle of water. But his fright was nothing to that of Claude Jones, for it was he that uttered that shriek of anguish. As has been last evening on Pauline. She welcomed him and bade him to draw up to the natural gas and warm his feet. They talked on in their ine drew her chair up beside Claude's and "Pauline," he exclaimed, "are you mad? "What do I mean?" she exclaimed hoarse-

the evening) -Good evening, Mr. Sampson.

George.

#### France and the New Emperor.

It is well that at the obsequies of her whiiom conqueror France should be repre sented. By a magnanimous valediction to the dead she confirms the goodwill of the living sovereign and touches the heart of Germany. When we bear in mind that one of the first messages of friendship sent from San Remo after Kaiser William's death was but think the French republic more deeply interested than any other State in the prolongation of the life of the new Emperor.

This is about the time of year that a man large minded, generous, and peaceful as he decides on becoming an amateur gardener. is believed to be, is, above all, a patriot, terated Paris Green is sold, and in buying, He should apply to the man that became an and that he never will voluntarily relin- one unskilled in testing it must depend upon quish the two provinces which in 1871 were would like to get ten or fifteen dollars' worth incorporated in the German fatherland. of implements for about a dollar and a half. But must France condemn her thrifty and hard working children to bear for generations the load of a colossal military establishment, and stand prepared to jeopard mometer was 8° below zero. She turned her national existence for the dim prospect of regaining Alsace and a section of Lorraine? Is the recovery of the lost territory really essential to her dignity and prosperity, to her self-respect and her retention of a place of honor among the great powors o Europe?

Let us see what light is thrown by history upon such questions. The France of Francis I. included neither Alsace nor Lorraine, nor Franche Comte, nor Nice and Savoy, nor the Roussillon, nor Avignon and Orange, nor the Three Bishopries, nor much of what is now French Flanders and Artois; no, nor even Calais town. Nevertheless, she held her own against the vast dominions of Charles V., which, relatively, constituted a far mightier empire than that reared by Bismarck. So, too, under Louis XIV France possessed the hegemony of Europe, Papa (severely—Did you ask mamma if although the whole of Alsace was not acquired until nearly forty years after he had personally taken up the reins of government and although the duchy of Lorraine was not gained till near the close of the reign of his great-grandson, or only a little more than a century ago.

There may be other and more congenial fields for French expansion than in Alsace, whose inhabitants never learned to use the French tongue with correctness or with fluency. There, for instance, are the Frenchspeaking cantons of Switzerland and the which indeed were parts of France under Napoleon I. Who can say that France has not more to win by the friendship and fel-Land Agent-You can't do better than to lowship of Germany than by persisting in in her foreign relations?

A combination of this sert is believed to have been projected by M. Jules Ferry, and latka. A man who had come miles from the the scheme has since shared the discredit of country to see and "shake hands" with the its advocate. But it might be looked upon chief went away exultant, claiming that more favorably were Frenchmen once conwith others the President merely shook vinced that the ruler of Germany was their the bone and sinew of the French nation.

casts a deeper shadow on the outlook is the sels. -ED. F. & F. fact that the successor of an Emperor already moribund is deemed of all men least likely to be swayed by humanitarian and

## Reading and Thinking.

Reading should teach a man to think; it is too often relied on to save him the trouble of thinking. "Reading maketh a full man," says Lord Bacon, but where there is no outflow fulness breeds stagnation. Many students are like a reservoir into which a little stream of water runs no faster than it eva porates. They are forever pumping in but never drawing out. The mind of a mature man should be a spring, not a pond.

It is true, at has been said, that "too much reading leaves a man no time for thought." The artist does not study colors and drawing all his life and never paint. He is taught how to start and learns to paint by painting. The artisan does not spend a a lifetime in training his eye and hand and accumulating muscle; he gets his tools and goes to work. That part of the intellectual workman's education which comes from reading is to teach him how to use his tools-that is, his mental faculties. Reading wings his imagination; it tames his fancy; it instructs his judgment; it arms his reason; it enriches his memory. And when his mind is thus developed and equipped it is as ready for its work as the blacksmith's arm is for its task when he gets strength and skill to wield the hammer. Too many students make of the world a gymnasium instead of a workshop; they are forever getting strength, but never using it to any purpose except to try and get more.

As a result the professions are full of crammed men but scant of thinkers. The true method is to make of reading a means, not an end.

## Dental Note.

Smith-Teeth remind me of women. Jones-In what respect? Smith-Well, you see, in the first place we suffer like the mischief getting them, and we feel bad when we lose them.

Matthew Arnold says that the American "funny men" are a national calamity.

The appointment of a commission by the subject of the mineral wealth of the Provinces and of the best means for its being The old story boiled down : - She (early in utilized, is a step in the right direction. Perhaps this ought to have been done long lady.' Same She, (late in the evening) -Good night, | ago. But better late than never. Hitherto the hindrances in the way have been many. Landlady (to boarder) - How is the butter, | One after another of these has disappeared, that Mr. Mowat will "push" it.

### HOW TO APPLY INSECTICIDES

PARIS GBEEN. - This popular inser licide was introduced to destroy the Col add potato beetle, and was gradually used for other leaf-eating insects. Chemically it is a compound of arsenic and copper, known as arseniate of copper, and contains, when pure, 58 per cent of arsenious acid or white araddressed to President Carnot, we cannot lenic. Of course it is important that it be pure, otherwise the proportions given for mixing with diluents will be uncertain. The adulterated article is generally of a It is true that the Emperor Frederick, lighter color than the pure, and should never be purchased. [A great deal of much adulthe integrity and carefulness in purchasing on the part of those he buys of-ED.]

> Application .- Like most other insecticides, Paris Green may be applied either dry or wet, i. e. diluted with some powder as flour or plaster, or mechanically mixed with water In general, liquid application is preferable; but circumstances must largely govern the case. As a dry diluent, flour is excellent, as its adhesiveness when damp aids in attaching the poison to the plant leaves. The proportions of the mixture should vary somewhat according to the relative tenderness of the foliage to which it is to be applied, but in general it is safe to use one part by weight of Paris Green to twenty parts of flour. Air-slaked lime is also an excellent diluent, one part poison to fifty of lime will do for most insects. For liquid application mix one ounce with 3 gallons water or one pound to 50 or 60 gallons of

LONDON PURPLE. - This insectitude is of recent introduction, and on many accounts is preferable to Paris green. Being a waste product in the manufacture of aniline dyes, it is comparatively cheap, costing only 15 cents a pound at retail. It is less poisonous than Paris green, is more finely pulverized, and hence more adhesiveto vegetation, and more permanent in its affects. In water it remains in sus pension much longer than Paris green. It colors the vegetation to which it is applied more conspicuously, and consequently there is less danger of using for food vegetables to which it has been applied. - It may be applied either dry or wet. If dry, mix one part by weight of the poison to forty parts flour or lime, and sift or dust on in the usual manner. In water, it is safe to use one ounce of poison to five gallons, or the same proportion, one pound to eighty gallons. Either of these substances may be used to destroy such leaf-eating insects as do not affect fruits or vegetables that are to be used soon after the application. Potato beetles of various species, cucumber beetles, canker worms, and the various leaf-eating larvæ which attack the foliage of fruit or shade trees may all be destroyed by these insecticides.

PRECAUTIONS IN USING POISONS .- Dr. J. A. Lintner gives the following precautions to be observed in handling and applying these insecticide poisons:

The poison should be kept in a safe place sincere well-wisher, and would gladly help and labeled "Poison." Do not distribute them to compensation in some other quar- the powder with the hand, as is sometimes ter for the irrevocable surrender of Metz done. An abrasion of the skin might result and Strasburg. Unquestionably it would in serious harm. Apply the powder with be a blessing to the Continent could France | the wind, if any, so as not to breathe it. and Germany be linked by the bonds of Do not use it upon leaves, or fruits which common interes tand mutual good will. Nor are soon to be eaten, or where it will not be would such a charge be more welcome to washed away by repeated rains (as on cabany of the inhabitants of Europe than to the bage, cauliflower, etc). Prevent animals millions of frugal, toiling peasants who form | feeding on poisoned insects. Test the strength of the poison on a few plants first, But, however acceptable to Frenchmen least it may be too strong for the leaves. may be the kindly overture of the new Em- Use it of no greater strength than is necesperor, it is their misfortune that they can- sary to kill the insects. [To which we add: not build upon it hopes ef stable reconcilia- In using with flour or lime mix very tion and of joint advancement. The con- thoroughly. If in water, stir well first, and cord of France and Germany remains a stir very frequently, as the poisons do not dream, for the high-minded sovereign, who dissolve and are constantly settling to or might have effected it, is doomed. What towards the bottom of the containing ves-

> PYRETHRUM, OR INSECT POWDER, is of recent introduction and is very useful for destroying insects which cannot be reached by the other poisons. It kills by simple contact with the insect, and hence does not need to be eaten. It is practically harmless to man and the higher animals, and may be handled with impunity. It may be applied either dry or in solution—a tablespoonful to a gallon of water. Pyrethrum consists of the dry powdered flowers of plants of the genus Pyrethrum, which are related to the common Mayweed of our roadsides. It loses its insecticidal properties by prolonged exposure to air, and hence it is highly important that the fresh article be obtained. Pyrethrum is excellent for killing cabbage worms, currant worms, cherry and rose slugs and similar pests.

> HELLEBORE consists of the powdered roots of White Hellebore (Veratrum album); kills both by contact with the skin of the insect, and by being eaten. It is especially valuable for destroying current worms and similar insects. It may be applied as a simple powder, or mixed with water, one ounce to two gallons, and spray-

KEROSENE MIXTURES.—Much prominence has been given of late years to kerosene and soap emulsion as an insecticide. Many preparations of it have been recommended, and used more or less successfully. The simplest formula that I have seen is given by Prof. A. J. Cook, who says he has found the following method excellent: One quart of soft soap and two gallons of water are heated to the boiling point, when one pint of kerosene oil is immediately stirred in and all well mixed. Of course the soap and water must be removed from the fire before the kerosene is put into the mixture.

Tobacco is another excellent insecticide and ought to be more used. In many places the stems can be obtained free at the cigar manufactories, and they make an excellent insect-repelling mulch for various plants, as well as being of value as a fertilizer. A strong decoction of tobacco made by soaking the stems in water, or boiling them, is effective in killing plant-lice, red spiders and many other similar pests.

# A Keasonable Request.

"Papa," said a beautiful girl, brightly, "do you know that this is my eighteenth

"Why, bless me, so it is!" responded the old man. "It doesn't seem possible that my little girl has grown to be a young

"Well, she has, papa, and I want you to do me a very great favor," and the beautiful girl hid her blushing face upon the old man's shoulder.

"What is it, dear?" he asked fondly. "Please sell Nero."