There are many farmers who think it unnecessary to give a drink of water to a pig, but who consider the slop it when a pig is fattening dry food only is needed and that water makes soft wasted. pork. There are many more who are hardly so ignorant as this yet act precisely as though they were and neglect to provide any water for their stock but what they can procure from pond holes or sloughs. The consequence is disease and death. Pure water is indispensable to the health of all kinds

Extra Culture.

Professor Roberts, of Cornell university, says in an article upon "Extra Culture:" Herein, I am satisfied, lies the secret of England's success in raising large crops. It would take away the breath of a prairie farmer to field is subjected to before it is conbeen proved time and time again. By the water on the top. actual analysis it is found that an average soil contains in the first six inches plant food enough for from fifty to one hundred and fifty full to discourage the purchase and use of fertilizers, but what I do protest against is purchasing on time commercial manures at \$40 per ton to ennone the less, only awaiting a little judicious application of brain and muscle to set it free. If these hastily jotted facts and impressions are the means of inducing my fellow farmers to refences, or to give the fields an additional cross harrowing or two before to bless the labor of their hands, my object will have been attained.

Muck,-What Is Muck?

In England muck means manure, In "Pilgrim's Progress," "the man with the muck-rake" was searching for good in the gutter's filth; but not finding that for which he searched, "Muck is money," is an English farmer's proverb, the meaning of which is clear enough. When agricultural writers in America talk about muck they mean swamp muck, and by this a substance of a peaty character, rich in humus, of a dark brown or nearly black color, consisting of the remains of plants which have undergone partial decomposition under the constant influence of water. This has no constant composition or appearance other than indicated. In peat-beds the true peat is often several feet deep, and there may be a good deal of similar material which is crumbly, more or less mixed with earth or sand, and unfit for fuel Other deposits abound in which there is no peat fit to use ways beneficial. Under some peculiar smaller ones. circumstances these effects are hindered, probably by the presence of organic acids in the peat. To such peats and mucks the term "sour" is fitly applied by farmers. They may, however, be neutralized, or, so to speak, sweetened by lime. Fresh burnt lime rapidly absorbs water and falls into a fine dry powder. The muck is spread in layers a few inches in thickness, and lime in this form is spread thinly over it. It is not necessary to be accurate in regard to proportions, but best to be uniform. If the muck layer be about four or five inches thick, half a bushel of lime will be sufficient for a space of ten feet by ten, of 100 square feet, and may even be used for double that area. The muck being piled up in layers each receiving its quota of lime becomes changed-more easily pulverized and disintegrated, equally useful as an absorbent, and a superior ingredient of composts.

The muck or peat of some localities may be applied directly to the land, and serve hot. either fresh dug, if dry enough to haul. in which condition it is best to apply it in the autumn, so that it may become ameliorated by the frosts and thaw- be prepared in this way: Take four ings of winter, or after such weathering. Other kinds of muck cannot be they are peeled), two pounds of sugar, used advantageously without compost- hair an ounce of cinnamon in the ing with lime or manure, or with stick, one quarter of an ounce of cloves ashes, or some other active substance, and one pint of vinegar; let the vine while that of some localities applied raw is positively deleterious to the crops of the first year.

As a general rule muck may be made most useful in ordinary farm opera- These will keep for a long time in a tions by mixing it with manure from the stable, in the cow-yard, the pigpens or the sheep-yards, and it is safe | Early pears may also be spiced in the to say that the addition of muck of good quality in this way may easily tea. double or triple the value of the manure made upon the farm. That is, a yard capable of furnishing under ordinary circumstances 100 loads of manure, may be made to furnish twice or three times as much, both in quantity and value.-American Agriculturist.

Farm and Garden Notes.

Stockmen should not forget that it costs no more to keep good cows, horses, sheep, swine and poultry than poor ones-often not so much-and the this in mind in purchasing.

Old meadows should have a sprinkling of fine manure early in the autumn to give the grass a good start again before winter. We do not believe in pasturing meadows much, if any, after the hay crop has been removed.

When potatoes are ripe and the tops become dry they should be at once dug and put into a cool cellar. It is best to put them in small bins. Great care ing a coat of bro should be used in digging not to cut or with copal varnish.

bruise the tubers, which hastens de-

ay. A solution of one part muriate of potash diluted in 1,000 parts of water is recommended as an insecticide for cabbage and current worms and the receives as ample for its needs, or that like. It is also good as plant food, so that what falls to the ground is not

> American farmers do not value clover hay as highly as the English do. Timothy is considered much inferior to clover by them; much superior by us Clover sells in England for about twenty per cent. more than timothy. Properly cured it is a valuable crop.

Many orchardists say it is not best to renew the orchard by planting in young trees where old ones have died and been cut down. To a certain extent the elements suited to growth in the apple wood have been extracted from the soil and insect enemies have found location there.

A lady florist writes as follows: I would say to those who are troubled hear even an Englishman's enumera- with the little flies about their plants tions of the "spuddings," the "grub-bings," the "twitchings," the harrowings, the cross-harrowings, the roll- my pots, and taken to watering my ings, the crushings that a heavy clay plants from the bottom, by filling the saucers with boiling water I am not sidered fit for wheat. What is all that troubled with the little flies, and I for? Simply to unlock the full store- think the plants do much better house of nature. That it is full has watered in this way than by pouring

Professor Henry says: I would urge that our farmers feed more oats to young stock, colts as well as calves. There is no food easily obtainable that crops of grain. I do not desire will so well correct acidity of the stomach and keep the whole system in good order. To those who wish to raise calves on very little milk, I would say, use oats and oil meal freely, and by rich cloddy fields already rich in plant studying the wants of your calves you food, locked up, it is true, but there will be able to raise fine animals on a small allowance of milk.

The fuchia, says Vick's Magazine, likes a slight shade and a cool soil, and then, provided with moisture, it move some of the useless trees and will stand as high a temperature as may prevail. Place the plants in the open, a little shady, such a place as carting in the seed and asking the Lord the north side of a house furnishes, and there is no fear but they will do all one may expect from them. If they are to remain on the piazza or the window-sill, the pots should be sunk up to the rim in a box of soil which can be kept moist; then, if the drainage is kept open, they will hold their foliage and flourish.

Mr. Wright recommends the following for poultry cholera, to be given every three hours: "Rhubarb, five grains; cayenne pepper, two grains: audanum, ten drops; administering midway between every two doses a tenspoonful of brandy, in rather less than its bulk of water, with five drops of McDougal's fluid carbolate in each ose, Carbolic acid, in small doses, may be substituted for the carbolate, if not accessible. The yards should be disinfected with carbolic acid as a measure of prudence, and for the same reason it is better to separate the sick from the well fowls, although the disease is not proven contagious." Any treatment, to be effective, must be be

gun at an early period. One can form but an imperfect asfuel, but with an abundance of other estimate of the value of a field of roots material useful to farmers and properly by knowing the weight of the largest enough called muck. This is black one grown. Very large roots do not soil, at least half of which will burn mean very large returns; mediumaway when dry. It often dries hard, sized roots and more of them are a like clay or bricks. It crumbles under more paying crop. Other things rethe influence of frost and air and often maining the same, the size of the roots simply by drying. This substance, in- depends upon the thinning. At this cluding all varieties of peat, is or may season of the year, when the roots are be made useful in every soil not of a growing vigorously, they should be peaty nature to begin with. It is often thinned, so that they shall have a rich in nitrogen, the most costly ingre- space between them in the rows equal dient of fertilizers, often contains phos- to their own diameter, and no more. phate of lime and other valuable ash It is better for the roots to be ten than ingredients. By its decomposition in fourteen inches apart in the rows. If the soil, its absorbent action, its promo- the thinning be carried beyond this tion of other decompositions and they grow large and coarse, and will be changes in the soil, its presence is al- much less valuable food than the

Recipes.

CORN MUSH .- Put a quart of water on to boil; stir a pint of cold milk with one pint of corn meal and one tablespoonful of salt. When the water boils pour in the mixture gradually, stirring well; boil half an hour, stirring con stantly.

STUFFED STEAK .- Make a stuffing of bread, herbs, onions, salt and pep per; spread over the steak, which should be an inch thick. Roll it up and tie tightly with cord. Bake of stew slowly for two hours. Serve with brown gravy.

DRIED BEEF .- Shave the beef and pour cold water over it, place on the fire and let it come to a boil; repeat this process twice; pour off the water and cover well with rich fresh milk When it comes to a boil season with pepper and butter and thicken with a little flour. Pour over buttered toast

SPICED APPLES.—Spiced apples are very appetizing, and the new and usually almost tasteless early apples can pounds of apples (weigh them after gar, spices and sugar come to a boil; then put in the whole apples and cook them until they are so tender that a broom splint will pierce them easily jar. Put a clean cloth over the top of the jar before putting the cover on. same way, and are nice for dinner or

Household Hints,

In boiling meat, etc., or even clothes, turn a plate bottom side up and put it on the bottom of the kettle to prevent its contents from burning.

To remove ink stains from cloth, dip the stain in hot fat, lard or tallow and when cold wash out in hot water and it will usually remove the stain.

Satin tidies and table scarfs may be renovated by taking a hot iron, placing. profit from them is much greater. Bear a wet cloth over it and holding the satin in the steam, the wrong side near the heat.

It you are baking bread turn the loaves top side down in the hot tins and let them stand a few moments. This will make the crust very tender and they will cut easily.

Chandeliers and iron wall brackets that have become rusty and worn may be made to look equal to new by applying a coat of bronze powder mixed

THE NEWS.

EASTERN AND MIDDLE STATES

JAMES WALL, age eighteen, James Conway, age sixteen, William Dugan, age twentyfive, and James Stewart, of Buffalo, N. Y., went upon Lake Eric for a sail. When about en miles from shore a squall upset the boatand Wall, Conway and Dugan were drowned. Stewart paddled the boat ashore in twelve

A SALUTE WAS being fired on Governor's Island, New York harbor, in honor of a French frigate, when two thirty-two pound cannon were prematurely discharged. Four of the cannoncers were terribly injured, each having an arm torn from its socket. Private Malli died in ten minutes; Private Whelan succumbed to his injuries soon after; Private Sidner received probably fatal injuries, and Private Clunis lost his left arm.

Two farm hands at Centre Square, Pa., died from the effects of eating toadstools for mushrooms.

THE wholesale dry goods house of Wellington Brothers & Co., of Boston, has suspended, with liabilities aggregating about 8700,000.

Tits factory of Messrs. Maltby, Stevens & Curtiss, manufacturers of plated and cocoanut wares at Birmingham, Conn., has been destroyed by fire. The total loss on the building, stock and machinery is \$150,000. CAPTAIN JOSEPH W. COLLINS, of Gloucester, Mass., has returned from a trip to the edge

of the Gulf stream in search of tile fish in the interest of the United States fish commission. The trip resulted in the discovery of a new food fish, believed to bu of great value. Joshua P. B. Eppy, a Philadelphia colored minister, eighty-four years old, died

there the other day in the midst of squalor and apparent poverty. Upon investigation ithwas found that he possessed property worth more than \$100,000. He owned thirty-seven houses in different parts of the city, nine in Camden, two farms in New Jersey and other property.

THE lifty-first annual fair of the American Institute has been opened in New York.

A satisfactory settlement has been made in the famous Newburg (N. Y.) poker case between Francis P. Reed, the victim, and Dr. M. Hedges and W. M. Scott. By the articles of agreement not only the criminal proceedings against Hedges and Scott are to be discontinued, but the civil suits against them are also stopped. Weed is understood to have accepted \$20,000 in full settlement, and comes out of the affair a loser to the extent of about \$70,000.

MISS ELIZABETH CHOMMELIN, a New York school-teacher, is the third victim of the collision in the Fourth avenue tunnel, having

died from the result of her injuries. ALDERT E. SMITH, a Yale college student of the senior class, has been arrested on a charge of obtaining money from other students under false pretenses. Smith, it is charged, collected money to pay the expenses of a baseball nine and then appropriated it to In this quiet spot twelve Jewish famibis own use.

Max Lowenstein, of Camden, N. J., comnitted suicide by shooting himself over his wife's grave.

A PREMATURE explosion of a blast in a raiload cut near New Windsor, N. Y., killed three laborers and frightfully injured three others.

SOUTH AND WEST.

Ar Huntsville, Texas, five convicts who were attempting to escape from the penitentiary were fired upon by the guard, and one was killed, enother wounded, two others were captured and dogs put upon the track of the

Five persons entered an old boat to cross he Miami river at South Lebanon, Ohio. During a playful struggle for possession of Newton and Ella Wallace and Abraand Belle Lacas—were drowned. THE Mormons of Utah are defiant and

have refused to give up the records and positions to the men appointed by Governor Murray to fill vacancies occasioned by a failure to hold an election in August. This refusal is in defiance of the law passed by Congress which disqualifies polygamists. James Cummings, a prominent member of

been arrested at Princeton, Ill.

A now at a political meeting in Lancaster, S. C., culminated in a fight between white and colored men. Four colored men were killed and many more wounded.

DIAMONDS and valuable jewelry worth \$12,000 were stolen from the Cincinnati exposition building, shortly after the doors were opened the other morning, from the exhibit of C. Oskamp. The diamonds were insecurely kept in a show case, which was opened with ease by two men, who helped themselves and then quietly walked away.

A FIRE which broke out on the Mississippi Vicksburg for New Orleans, resulted in a terrible loss of life. The steamer left Vicksburg in the evening for New Orleans with 500 bales of cotton and a good list of passengers. While opposite Point Pleasant at 3:30 A. M., she was discovered to be on fire and was immediately headed for the Louisiana shore, landing at Yucatan Plantation, thirty-five miles below Vicksburg. In a few minutes she was completely enveloped in lames. About twenty-one persons lost their lives, including several cabin passengers and many of the crew. At the time the alarm was given the foat was under way. She was immediately headed for the shore, and struck the bank in a very short time-not more than three or four minutes. The Robert E. Lee was the fastest and most magnificent boat on the Mississippi, and cost about \$200,000.

LATER reports state that at the political riot in Lancaster, S. C., seven persons instead of four were killed and twenty-one

NEAR Clarksburg, W. Va., John R. Boggess, Jr., during a fit of mental derangement, induced by strong drink, killed his wife and daughter, aged thirteen.

A PASSENGER train on the Atchison, Topeka and Santa Fe railroad was stopped one mile west of Granada, Col., by armed men, who helped themselves to express matter, but took nothing from the passengers, owing to the presence of two sheriffs and a deputy.

FROM WASHINGTON.

SECRETARY TELLER has decided to reopen for settlement 10,000,000 acres of laud in Northern Dakota which were withdrawn by Secretary Schurz.

THE interior department has made the following distribution of funds for the education of the Indians during the present fiscal year: Support of non-treaty schools already established and to be established, \$317,000; increased attendance at schools now established, \$50,000; establishing new industrial schools, \$150,000; contingent expenses of agency schools, \$75,000; purchase of stock cattle for industrial school, \$80,000; completion of school building, outhouses, etc., for industrial school near Arkansas City, \$15 .-000; support of above school \$31,500; support of industrial school at Genoa. Neb., \$31,-500; support of Indians in schools in States, \$17,000.

FOREIGN NEWS.

FIFT Irish families have been evicted in the barony of Erris and the people have been

ordered not to shelter them. Ms. Gladstons reiterates the declaration that he is unable to interfere with the operations of the Mormons in England, as he presumes that their converts go with them will-

ingly. A farmer named Saverd, his wife and child aged three years were drowned near St. Anne, Quebec,

A nevolution that broke out in Nicarauga was quelled by the seizure of the two leaders by the people and their summary execution. The son of a land agent named Keane has been found dead on the roadside near Kildy-

sart, Ireland. His father had recently ejected some tenants. JAMES HICKEY, a farmer, was found mur-

dered near Templemore, Ireland. A VIENNA newspaper publishes a story to the effect that the emperor and empress of Russia were secretly crowned during their recent visit to Moscow.

A THAIN from Bena-el-Asal had arrived at Cairo, Egypt, with the Sixtieth rifles when an ammunition wagon in the station exploded, killing a doctor, who was in the train with invalids and some men. The train was ignited and the fire spread to the railroad station, which was quickly burned. The flames next reached the commissariat depot adjoining, and thence extended to some of the British magazines, which exploded. The

pecuniary loss is estimated at \$500,000. STANLEY, the African explorer, has re-

turned from Africa to Belgium, Much damage has been done by a hurricane in the south of Ireland. The American ship Harvey Mills, from Liverpool for New York, lying at Queenstown, was driven ashore and several yachts were sunk in the harbor. At Newry a large number of houses that of the desert ironwood tree, which grow were greatly damaged and the town was along the line of the Southern Pacific rail harbor. At Newry a large number of houses

A GRAND review of the British troops held in Cairo the other afternoon in the square before the Abidin palace, in the center of the city, where the troops assembled after marching through the streets. The khedive and his ministers and a large number of notables were present. The streets were crowded with natives.

Ms. E. DWYER GRAY, sheriff of Dublin and publisher of a leading newspaper in the Irish metropolis, has been released from confinement upon the payment of a fine of £500. It will be remembered that Mr. Gray was imprisoned and fined because his paper contained a letter reflecting upon the actions of the jury in a recent murder trial. Judge Lawson, while defending his act in imprisoning Mr. Gray on legal grounds, said he felt that justice had now been vindicated, a better state of things being observable.

A Newport Romance.

The Jewish cemetery lies not far rom the synagogue in the sweep made by Kay street where it joins Touro, lies lie buried, and as we stood beneath the trees that spread protecting arms over the graves, Longfellow's poem, written after a visit to this cemetery, came most vividly to mind. One verse especially, as we looked at the neatlykept flower-beds, the turf so soft and well-cared for, the buds that bloomed above the dead, came to our lips:

Gone are the living, but the dead remain And not neglected, for a hand unseen, Scattering its bounty like a summer rain,

Still keeps their graves and memory green In the inclosure are two graves so near each other that as you stand by one your shadow falls upon the other; within them sleep two lovers, separated during life but united long since by death. Judah Touro and Catherine Hays were cousins, and among the the oars the boat capsized, and four of the Jews it is a crime for those so near of kin to marry. True to the religion and traditions of their race they separated never to marry again, although they lived to be old people. Neither of them married, content with the memory of their love and the hearing of each other's welfare from mutual friends. They both died in January. 1754, when he was seventy-nine years of age and Catherine was seventy-seven. the notorious James gang of robbers, has His name was the last word she uttered, and in his delirium before death called him he talked of walking in a beautiful garden with Catharine Hays, his first and only love. Judah Tuoro, however, did not let disappointment embitter his life, for he spent it in active benevelence, and from a fund left by him the means are provided to keep the cemetery in order. It is told of him that he built churches in New Orleans for all sects, even contributing towards the erection of a Unitarian place of worship. On his monument the following words are cut: "The steamer, Robert E. Lee, while on a trip from last of his name, he inscribed it in the book of philanthropy to be rememberd forever."—Newport (R. I.) Letter.

A Musical Prodigy. The son of David Neal, the famous American painter, who lives in Munich, at the age of nine years exhibited the most marvelous musical powers, and heard his own compositions played by the band of the famous Prince Royal regiment. He was lifted above the heads of people and musicians to receive the applause and their recognitions as a composer. The new Mozart they call him. He is now eleven years old, and is all the time composing. He improvised on the piano while he wore bibs. In one of his letters at Christmas to the "Christkind," he mentioned but one gift, and that the most involved and learned volume of essays on composition. For days after receiving it he was up at 5 o'clock in the morning devouring its pages. Strauss has been to see him, taken him in his arms and shed come tears over him.

A Javanese Orchestra. The latest attraction at the London aquarium is a Javanese orchestra comprising eighteen performers, who are supposed to enjoy the distinction of forming the first complete company of the kind which has left Java. Four of the performers are dancing women, whose peculiar motions are directed by the musicians squatted upon the plat-Oats—Mixed.

Butter—Creamery Extra Pa.
Cheese—N. Y. Full Cream.
Petroleum—Crude. form. There is one two-stringed fiddle and one instrument similar to a flute, but the rest of the pieces are instruments of percussion upon which the players beat with great vigor. The scene is highly novel and picturesque, but the music is rather trying to European ears.

Gave instantaneous relief. St. Jacobs Oil. Neuralgia. Prof. Tice.-St. Louis Post-Dispatch.

About 3,000,000 sheep skins and about twice as many goat skins are annually shipped from India to United States.

In the Times of Philadelphia we observe: Mr. John McGrath, 1236 Christian street, was cured by St. Jacobs Oil of severe rheumatism.

When some one, standing by the natural bridge in Virginia, expressed a doubt about George Washington's reported feat of throwing a silver dollar completely over it, Secretary Evarts who was present gravely rebuked him, saying, "You forget how much further a dollar went in those days."

Who has not seen the fair, fresh young girl transformed in a few months into the pale, haggard, dispirited woman? The sparkling eyes are dimmed, and the ringing laugh heard no more. Too often the causes are disorders of the system which Dr. Pierce's "Favorite Prescription" would remedy in a short time. Remember, that the "Favorite Prescription" will unfailingly cure all "fomale weaknesses," and restore health and beauty. By all druggists. Send three stamps for Dr. Pierce's treatise on Diseases of Women (96 pages). Address World's Medical Association, Buffalo, N. Y. Who has not seen the fair, fresh young gir pages). Address Werties, Buffalo, N. Y.

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on the globe. If you feel dull, drowsy, debilitated, have frequent headache, month tastes bad, poor appetite, tongue coated, you are suffering from torpid liver, or "biliousness." Nothing will cure you so speedily and permanent as Dr. Pierce's "Golden Medical Discovery By all Danggists.

It is shown by statistics just issued that last year there were 17,251 known thieves at large in England, of whom 1,250 were in the city of Lendau.

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dyspeptic or constituted, should address, with
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One greasing lasts two weeks; all others two or three days. Do not be imposed on by the humbug stuffs offered. Azk your dealer for Frazer's, with label on. Saves your horse labor and you too. It received first medal at the Centen-nial and Paris Expositions. Sold everywhere.

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Pork—Mess, new, for export 21 70 (d21 90
Lard—City Steam
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Petroleum—Crude 6%@ 6%
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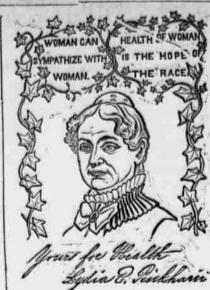


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