There is nothing that tells so effectually in farm work as steadiness. The greatest tasks are performed by keeping constantly at work.

For fertilizing purposes there is no more valuable form of rotash than wood ashes. The plants have digested it once and adapted it to the use of all other plants.

That unsightly excrescence commonly called a wart can be removed by touching it several times a day with castor oil. This is the simplest known remedy.

The following is recommended for lice on cattle: Mix one teaspoonful of ground copperas with the feed of each animal, once in each week or ten days, until the pests disappear.

Keep the calves growing lustily. Teach them to eat oats at an early age. A calf will never get fully over the bad effects of If fowls are confined it is best to have

or scratched up so as not to allow the grass to grow they will not keep hens healthy and in a laying condition. It is said that more than half of the cheese

now consumed in Great Britain is made in this country and in Canada. The American and Canadian cheese pays its freight to England and then undersells their articles on its solid merits.

There is no doubt that fowls will do some mischief in the garden, and they likewise do some good in destroying insects. At any rate it is best to see whether the mischief is more than the profit from the eggs which would be laid if the birds had full liberty.

Afarm horse does the greater portion of his work on a walk. Consequently it is a matter of great importance that his gait should be cultivated. A horse that will walk four miles an hour is worth considerably more than one that will walk but three miles an

When chicks are droopy or weak care is needed to recuperate, them, a little more green food and onions should be given them or, if they are too much purged, a little powdered chalk and bone flour in their soft tood-one teaspoonful of each to a pint of food is sufficient.

An English authority computes that in died in the United States from cholera than have been raised in the British Isles. Wonder if the methods of feeding for some years to do with this mortality?

preciates kind treatment. It is no use to ordinary manner. say they are "only dumb brutes." It is true, they cannot talk, but, like dumb or blind men, their intelligence in other respects is doubled. You can make friends of all your animals if you take the trouble to

Good dairymen are well aware of the importance of pure air in the manufacture of butter and of the fact that slight impurities are readily absorbed and diminish the excellencies of the product. The habit of smok ing by the dairyman has been shown to make a decided difference in the flavor of the butter.

For disinfectants about poultry houses and sheds, smoke from a wood fire, says the Farm and Stockman, is one of the best; also sulphur. In using the latter, close every opening and chink where air can escape, place a pound or two of brimstone, in small pieces, in an iron pan, and let it gently burn, leaving the house shut up for the day if possible.

Somebody says that ten drops of the oil of turpentine shaken up with a tablespoon ful of sweet milk will cure half a dczen chickens of the gapes, each getting an equal part of it, or the same quantity mixed with flour or meal and a small bolus forced down the throat of the chick will do the work promptly. The dose should be repeated several times—say morn, noon and night.

there left all day, the water supply must be at him. This advice, naturally enough, only looked after. A milch cow must have plenty of water. She can not wait until she is driven up at night. The water is a necessasary constituent of the milk, and she must and across the top of the slip, and presently have it during the time the milk is being pieces of loosened stone came tumbling down manufactured. If deprived of water during where I stood. I fully satisfied myself that the warm days her supply of milk will fall this was not merely accidental, for I dis-

importance in cheese-making as rennet. No rock. matter how excellent the milk may be, if the rennet is not right, excellence in the production of cheese cannot be obtained. Much of the poor cheese is the result of poor rennet, rolling was speedily doubled. and much cheese made poor by the bad handling of the milk, or from other causes, is made worse by poor rennet.

fatal to every insect it touches, and sulphur | may be truth in the stories of their throwis very offensive to them. A mixture of | ing fruit at people from trees. four ounces of lard, and one of sulphur, well At all events, the general statement that rubbed together, and with the addition of the act of throwing things is never performone ounce of kerssene oil and one drachm of | ed by any animal except man is certainly creosote, will be found an excellent remedy | not correct, as I have myself seen recently against all sorts of insect vermin, while the | captured elephants project branches of trees liberal use of kerosene oil on poultry roosts with the design of hitting persons out o will free the fowls of their tormentors.

It seems strange to me why the various top-knotted breeds of fowls are everlastingly recommended for the farmer; now common sense shows that hawks pick 'em active and healthy each day of the year; and are only fit as a "subject of ornament."

The past few years have about demonstrated that tarred paper ranks next to wood as a valuable material for building chicken houses. The sile experience of late years has proved that for wooden silo buildings tarred paper is practically indispensable. The use of tarred paper is becoming so universal that there is hardly a good farm in the country where a roll of it cannot be found. Its use lessens the lumber bills materially. It appears that many thick. nesses of boards are used simply to keep out the air. The tarred paper will do this work equally well.

The Massachusetts Ploughman says: Much has been published in regard to the barbarity of the usual mode of washing sheep be- style to which she is accustomed?" fore shearing. They are timid animals, and particularly fearful of getting into water. | yeu would let us board with you."

It is very difficult to drive a flock across stream, and when one does succeed in doin stream, and when one does and have what's lu a Name"? innate dread of wetting even Thomakespoon is not so with other far their is We Is Discovery or billion is not so with other far animals.

is not so with other land maimals. Then Shartly before his death the land Dr. When sheep come to be plunged in by the Wirchoff, of Berlin, related the true story washers and retained five or ten minutes, of the discovery of spectrum analysis. He what must be their feelings? It must be a and Bunsen were then professors at Heidelshock to the system, and shocks are bal. berg, and kept bachelors' quarters in the This heroic treatment is downright cruelty. | well-known "Riesenstein." Upon one of Washing removes only the loose dirt from their daily promenades Bunsen remarked : the wool, and it is doubtful if that embraces | "Kirchoff, we must discover something two per cent. of the whole weight of fleece, which will be too simple to be true. ' They yet buyers deduct from twenty to thirty per cent. for unwashed wool. Washed or un- passed by before the discovery was effected. washed, it has to be scoured before manu- Experimenting one day in his laboratory, facturing, and hence, why wash at all? Kirchoff happened to place a burning lamp Farmers do it simply to save such an out- in the rays of the sun. A dark place aprageous deduction on the price. Three years | peared at once. Thinking it an "optical ago a friend with a flock of sixty sheep | illusion," he repeated the action, only to did not wash, and said he should not find the dark ray reappear and give place again; but when he sold his wool he was to the ordinary ray when the lamp was recompelled to submit to a discount of twenty moved. He called Bunsen. The experiper cent., amounting to twenty-five dollars, ment was repeated many times and always having been stunted and starved through and now he has returned to the old process. with the same result. They could not explain it. Finally, Bunsen proposed that ed fleeces thrown into the general lot, and | they go home and " think of other things " it is doubtful if manufacturers make much for a while; possibly some explanation might them in a yard large enough to have the difference if any. In the absence of desired be reached. They tolled in their cosy chairs, grass grow in it. When yards are trodden information as to the true inwardness smoking their long student pipes and talking of this wool-washing business, it must be of the days of their youth and the gossip of concluded that somebody is taking advant- the hour. The afternoon had a most passed age of the wool-growers who fail to present when Bunsen sprang to his feet with the washed fleeces. As soon as they can get remark : " Eureka ! The flame of the lamp full price for unwashed wool, minus the is ted by the same strff which is burning in weight of dirt washing takes out, just so | the sun !" They hurried back to the laborasoon will they be glad to relinquish the un- tory, tried a number of experiments, and the natural process. It would be well to test great discovery was made. one or two fleeces this season by washing after she tring, and then one could know just what shrinkage there is.

How to Grow Tomatoes in Prefection.

mato yields bountifully with seemingly little | toxic effects of the human breath. In con-This is a sad mistake, for there is not a capable of producing immediate death. vegetable in the garden that is so gross a This is an alkaloid (organic), and not a mishould be at least six feet apart. Let the of a dark color. In conclusion, this emiin vogue in this country have had anything manner, the result will show specimens for size, smoothness, and esculent properties, Any domestic animal understands and ap. unknown to the variety when grown in the

Notes.

Elizabeth Mallet established in London in 1702 the first daily newspaper printed in the

It is said to be English to never wash strawberries, but to roll them carefully in a towel until "the grit" disappears.

Mlle. Helene Laroche, a Paris ballet girl recently drew 200,000 francs in a lottery, and done ted it to an orphan asylum.

Miss Budrose (getting vaccinated)—Do you think it will take, Dr. Montagua? Dr. Mon tague(gallantly) If it doesn't take on such an arm, my dear Miss Violet, I shall have but little respect for vaccine hereafter.

The editor's wife-"Charles, I have just read that M. Gregoki, the editor of the Athens Gazette, writes three columns cf editorials every day of his life. Isn't that astonishing ?" The editor-" Not at all, my love. I frequently write four columns a day." The editor's wife-" Ha, yes, Charles, but M. Gregoki writes in Greek. Think how difficult that must be !"

Do Monkeys Throw Stones?

A scientific traveller in India was cautioned not to go near a certain landslip on the shore When stock is turned on the pasture and of a lake, as the monkeys would throw stones made him the more desirous to visit the spot.

As I approached the landslip, I saw a number of brown monkeys rush to the sides tinotly saw one monkey industriously, with Excepting the material of which the cheese | both fore-paws and with obvious malice is made, there is no ingredient of so much prepense, pushing the loose shingles off the

> I then tried the effect of throwing stones at them, and this made them quite angry, and the number of fragments which they set

This, though it does not amount to the actual throwing of objects by monkeys as a means of offence, comes very near to the Oil, says the American Agriculturist, is same thing, and makes me think that there

their reach.

A Perpetual Railway Pass.

A most singular case came before Judge up as fast as they digest each meal. The Allen of the Supreme Court, Boston, for 500. Another, an upland farm, five miles Leghorn is the all-around farm fowl, decision. It appears that in 1936, when the from the depot, some 100 acres very Boston and Rrovidence Railroad Company and it is indeed a poor fancier or farmer was chartered, Mr. John C. Dodge, of Attle- that can be plowed in one field, the barn Montreal, by the addition of a large pasthat cannot make \$1.50 profit a year from | borough, conveyed a portion of his land in each hen. The crested fowls are more sub- | consideration that he and his family should ject to cold and roup than the other breeds ride free over the railroad as long as the land was used for railroad purposes. A granddaughter of Mr. Dodge claims that she is this can be had for two-thirds the cost of will give employment to one thousand entitled to the privileges named in the the buildings alone. And these, I think, additional hands. Plans are ready and the deed, and that the word family meant "descendants" of the grantor. The railroad of farms that are offered for sale, after throwcompany demurred on the ground that the ing out a few that are not worked as farms, remedy of the plaintiff, if any, is at law, but are turned out to pasture or forest. and not in equity. Judge Allen overruled the demurrer, and expressed an opinion that N.B., Times dec'ares that in no section of United Kingdom's Meat Supply under the deed the Boston and Providence | the Maritime Provinces is there such a con-Railroad Company would be required to dition of things as is here shown to exist in carry free the descendants of Mr. Dodge for Maine, the condition of Canadian farmers

He Thought He Could.

Her Parent- " Do you think, Mr. Filkins, that you can support my daughter in the

returned and went to work. But years

THE HUMAN BREATH A POISON.

Sciences, Professor Brown-Sequard referred | wid him for the money to pay the repairs. to some experiments he had conducted with Hould on to yerself-I'll be back to yez writing not always too legible. Because the generous nature of the to- a view to determine what, if any, were the directly." care, the general impression prevails that densing the watery vapor coming from the the plant requires but little attention. human lungs he obtained a poisonous liquid feeder, nor one that so readily pays for all crobe or series of microbes, as might have been the food and care given as the tomato. imagined. He injected this liquid under To grow to its greatest perfection, the hills the skin of a rabbit, and the effect was should be dug out to the depth of two and speedily mortal. The animal died without a halt feet; at the bottom there should be convulsions; the heart and large vessels a half bushel of well-rotted manure; above were engorged with reddish blood, contrary this let the soil be an equal mixture of loam to what is observed after ordinary death, and manure thoroughly mixed. The hills when the quantity of blood is moderate and situation be open, warm, airy. When the nent physiologist said that it was fully fruit begins to set, mulch with clean straw | proved that respired air contained a volatile the last three or four years more pigs have or very small brush. Under these condi- toxic principle far more dangerous than the tions six plants will furnish sufficient carbonic acid, which was also one of its contomatoes for a family of twelve persons. stituents, and that the human breath, as Whatever variety may be planted in this well as that of animals, contained a highly poisonous agent.-[The Medical Press.

> Lightning can be seen by reflection a distance of 200 miles.

A ray of light travels 11,160,000 miles in a minute, and is no relation to the messenger boy. A Boston man bet \$50 that a barrel filled

with gas would weigh more than an empty one. His eyes opened very wide when he saw that it did not weigh as much.

The latest thing in envelopes is an article which will turn black, blue and red when any inquisitive person attempts to open it by the use of steam or water.

"God has given a wonderful body for noble purposes." That arm with thirty-two curious bones wielded by forty-six curious muscles, and all under the brain's telegraphy; three hundred and fifty pounds of blood rushing through the heart every hour, the heart in twenty-four hours beating 100,000 times, during the twenty-four hours overcoming resistance amounting to 224, 000,000 pounds of weight, during the same time the lungs taking in fifty-seven hogs heads of air, and all this mechanism not more mighty than delicate and easily-disturbed and d.molished. - [Talmage.

Thrift in State of Maine. Albert Pease of Lewiston, Maine, in a

letter to the Maine Farmer says: I propose to tell a few things that I know

in regard to farms in this section. Adjoining the farm on which I live, there is a farm of 56 acres, with some fruit, barn good, house poor but habitable, land good for a small business, that has been urged upon me for \$250. On another side of me a farm of 200 acres, buildings good, land good, with an unusually promising fruit prospect. The owner will sell for a sum that I forbear to name, as his is an exceptional case of discontent. These within three miles of Phillips village, on a good road. Running parallel to the road on which I live, along a high ridge of excellent land on which there are six farms, with broad good orchards, with good buildings, ample, neat and well kept. I was lately told that all these farms were for sale. Since then one of them has been sold, a farm that ought to carry twelve head of cattle and a hundred sheep, for \$700. The former owner is one of our smartest men, but he was bound to get out, and sold as he did because he could not get more. On the river road, two and a half miles below Phillips' village there is a farm with 100 acres intervale with | days? upland, the buildings ample, requiring slight repairs, that a few years ago was bought for \$2,500. A few days ago it was sold for \$1,500. The farm below this, the for picnics, lightning rod men and rasing best intervale farm in the region, a few honey."-Texas Siftings, years ago was rated at \$3,500. I am informed that it can now be bought for \$2,good land, not excessively stony, 50 acres the best and most costly of any in the are a fair average of the quality and prices

Commenting on this account the Moneton, being favorable by comparison.

Instructor-" By the way, Mr. Straddle, not maid.

As ha Infatuation.

And tosses what the baby says And plays wand laughs, and crow with its tasseled for What is he trying so sall pink toes? As he talks in his earney tell Come put your ear close, yway ? What does the baby say usten well

All day long the bright little elf, With his cheeks like a full-blown rose, Chatters, and laughs, and talks to himself In a language that no one knows.

Does he speak in Turkish, to match his fez Or in the language of Hindostan? Who can tell what the baby says? Well, his mother thinks she can.

A Financial Operation.

A newly arrived immigrant from Ireland had saved enough money to buy a good silver watch, but had not acquired sufficent dexterity to take care of it. He let it fall one day, and damaged it so seriously that watch to a jeweller, and asked him how much it would cost to have it repaired.

The jeweller put his glass on his eye, looked into the interior of the watch some seconds, turned it over several times and said: "It'll cost you five dollars to put it in

"Five dollars! An' sure, I haven't a dollar."

"Then you can't get it repaired." Pat scratched his head a while in perplexity as to how he was to obtain the

"Arrah! I have it. I'll shtep over to the At a recent meeting of the Academie des pawnbroker's wid the watch, and lave it

means. Suddenly he exclaimed :

Chest Measurement for Recruits

As the result of many years' experience the recruiting office of the United States army have adopted this method of chest measurement, which may be of advantage to amateur athletes who find the circumference of their chests varying through inaccurate measurement. Strip to the waist. Hold your arms above your head, the tips of your fingures touching. Have the measurer put a tape around your chest under the armpits. In sale and exhale naturally. Let your arms fall easily by your side. The tape will slip down to the maximum girth of the chest. This is the mean chest. Exhale all you can, still keeping your arms by your side. This is minimum chest. Inhale and inflate all you can, in the same position. This is the maximum chest. The difference between the maximum and minumum chests is called the mobility. A mobility of over three inches in a man of medium height is considered good, below two and one-half inches it is poor. Artificial movements of the arms or muscles interfere with proper measurement. -[New York Sun.

Spurgeon and the Baptists.

It is not true, as has been stated, that Mr. Spurgeon has returned to the Baptist Union. His brother, Mr James Spurgeon, has, but he himself stands sternly out against any such idea. In his June "Sword and Trowel" Mr. S. says :- " I am not careful to of ten hours. Sharp work, that, handling criticise the action of a body from which I | 72,000 pinesthay. am now finally divided. My course has been made clear by what has been done. I was afraid from the beginning that the reform of the Baptist Union was hopeless, and and maple. The wood taken to the therefore I resigned. I am far more sure tory in logs and cut into lengths of thirtyof it now, and should never under any pro- one inches by circular saws. These lengths bable circumstances dream of returning, | are then cut into blocks and the blocks Those who think it right to remain in such | again cut into sticks. The sticks are placed a fellowship will do so, but there are a few | under another saw and cut into the required others who will judge differently and will lengths. Next the turner takes a hand at act upon their convictions. At any rate, them, and from there they go to the slotting whether any others do so or not, I have machine. They are placed in troughs by felt the power of the text, 'Come out from | the operator, the machine picking them up among them and be ye separate,' and have and slotting them. They are then placed quitted both union and association once for | in a revolving pipe drier, going thence to the

Paper Bottles.

One of the most interesting of the many uses to which paper has been put is the manufacture of paper bottles. We have long had paper boxes, barrels and car wheels, and more recently paper pails, wash basins, and other vess:ls; but now comes a further evolution of paper in the shape of paper bottles, which are already quite extensively used for containing such substance as ink, bluing, shoe dressing, glue, etc., and would seem to be equally well adapted for containing a large variety of articles. They are made by rolling glued sheets into long cylinders, which are then cut into suitable about a mile distant, there is a road leading lengths, tops and bottoms are fitted in, the inside coated with a waterproof compound, and all this done by machinery fields that are mowed with a machine, almost as quickly as one can count.-[Pall Mall Gazette.

A Very Singular Country. First U. S. Man-Ever been to Can-

Second U. S. Man-No; have you?

"Yes; it is a very singular country. Snows 200 days in the year." "What do the people do the other 163

"They sit around with their ear muffe on, and wonder how long it will be before it snows again. It's not much of a country

The C. P. R. Shops in Hochelaga.

The Canadian Pacific Railway Company are about to extend their works in Hochelaga, senger car shop, wood machinery shop, region, the house as good as the average on blacksmith and machine shop, and storethe best farms in the State, and an acque- room and foundry, the cost to be about duct bringing water to house and barn, and \$300,000. The new works when completed works will proceed at once. The contract for the works in connection with the C.P.R.'s east end entrance to Toronto will be given out to day.

don for the week ended June 2 the follow-

ing life animals and dead meat : Oxen bulls, cows and calves, 13,383 sheep and lambs, 22,380; swine, 843 cwt.; bacon, 39,845 cwt. ; beef, salted and fresh, which is the more general term, poet or 12,778 cwt.; hams, 16,225 cwt.; meat, unpoetess?" Mr. Straddle-"Poet." "Can enumerated, salted and fresh, 395 cwt.; you give me a reason for it?" "I think so, meat preserved, 2,820 cwt.; mutton fresh, Bright Young Man-"I think I could if sir. It is probably because a 'poet is born, 8,565 cwt.; pork, salted (not hams) and fresh, 4,602 cwt.

THE PHONOGRAPH.

Edison's Latest Invention Tells its Own Story in England

A London cablegram say : blonel G. E. Gourand, writing from Little Sienlo, Upper Norwood, S. E., says: "At two o'clock this afternoon at the above address, I had the honor to receive from Edison his first perfected phonograph, which on the authority of Edison's own statement, in his own phillar voice communicated to me by the his labor tory of that has been seen utside his labor tory of that has left his hands and is consequency the first to reach this cot "At 2.05 o'cock, precisely, my family

and I were enving at once the un-

precedented and astounding experience of

listening to Edisons own familiar and unmistakable tones here in England-more than 3,000 miles from the place where he had spoken and exactly ten days after, the voice having meanwhile voyaged across the Atlantic ocean. His first phonogram, as it would not run. Therefore, he took the Edison puts it, tells me, among other things of interest, that this instrument contains many modifications of that which was shown at the Electrical Club in New York a few weeks ago and so widely reported by the press in several long phonogramic communications to me, no single word of which had to be repeated in order to be clearly and easily understood by every person present, including my child, seven years old. Edison mentions that he will send me phonograms by every mail leaving New York, and requests me to correspond exclusively through the medium of the phonograph, humorously remarking in this connection upon the advantage he will himself derive from the substitution of phonograms for the style of

> "Elison has sent, for our amusement, numerous musical records of great interest and beauty, pianoforte cornet and other inhe tells me, have by Glas quently repeated several hundred ti biladelp together our experiences of to-dation apply in so delightful and unusual, not unard a supernatural, that it would be diffic of o realize that we have not been dreamjurile and so interesting withal as to make ittroof n our duty, as it has a pleasure, to cd. Mo nicate the above to your widely read pair, which I have frequently observed chronicle the works of the author of the unparalleled triumph of mind over matte All honor to Edison."

Col. Gerand adds the following post-script, which to be interesting Add by me into he phonograph and written from phonograph dictation by a member of my family, who had, of there, no previous experience with the instrument."

72,000 Made Elery Day.

East Work in a Clothes In Factory-H. These Useful Artificies ce Tue Out. "One cent "Yes, sir. We are pass one cent for

packing a box of five gross of clothes-pins," said one of the packers to a reporter for the Mail and Express recently.

"An expert can pack 100 boxes in a day Clothe pins are made in the lumber re-

gions. They are usally made of white ash, sometimes of bear, black and white bisch polishing cylinder and then to the packer. Each pin passes through eight hands. A single plant consists of broad saw, gangsplitter, gang-chunker, turning-lathe, drying house and polisher and costs from \$7,-000 to \$12,000. The machines working are very interesting. The little blocks of wood five and a half inches long are placed on an endless belt, which feeds the blocks automatically into the lathe. As the lathe is turned the pin is turned automatically from the spindle and placed on a turn-table and carried to a circular saw, which whittles out the slot in the pin. It is then finished and thrown out of the turn-table by the same appliance that puts the pins on the table. Falling, they are caught in a basket or barrel and are then taken to the drying-house for ten to twenty-four hours, or until dry. The polishing-cylinder or rumbler holds twenty to forty bushels; this is run at a slow speed, about thirty turns a minute, and by simple friction and contact they become polished.

The Panama Canal. The Engineering News publishes an arti-

cle on the "Actual Status of the Panama Canal," giving the results of a recent expert examination of the entire length of the canal, and accompanied by a progress profile, showing the amount of work done and undone to January 1 of the present year, both for the sea level and lock canal. The profile shows that the work which is

anywhere near completion is about eleven miles of dredging on the Atlantic end and about a mile at the Pacific end. On the remainder of the work the proportion done is very small in comparison with that undons. The estimate given in connection with

this profile shows a total of 34,081,000 cubic meters remaining, without allowing for changes of river channels, etc., which raises the aggregate to 51,000,000 cubic met The company had admitted 32,000 40,000,000 meters.

At the highest rate yet reached 000 cubic meters per month, it is that at least four years will be ri finish the canal, if there is

The total amount of cash ac ed up to the present date if There was imported into the United King- represented by \$351,150,00 200 The amount necessary to be plete the canal is estimated LLI tering News at a minimum Ciste which would be repres \$500,000,000 of new seo Beaverto

h week to ing orde A teacher recently WORR what lbs. stood for. was the unexpected