# FARM AND GARDEN NEWS, and my neighbors admitted I had one but exhausts the tree less than the

ITEMS OF INTEREST ON AGRICULTURAL John W. McKenzie, Canada, in Amer-TOPICS.

The Wild Carrot Weed-Quack Grass on Sandy Soil---Harrow for Cultivating Corn --- The Shepherd's Crook--- Etc., Etc.

THE WILD CARROT WEED.

There is scarcely a weed that is more of a nuisance in pastured land than the wild carrot. It is a biennial, like the cultivated carrot, making only small growth the first season, but sending up seed stalks, and bearing its quota of seeds the second year. On poor land it grows very small, but neck, so that it may spring open and seeds, even though the stalks are only a few inches high. It is hardest to point and turn it out about an inch or crowd out on poor soil. Where the land is rich and seeded with clover, that will smother most of the plants sheep's leg. The wooden handle the first season. If any escape the smothering they will grow up much higher than the clover. After a very er's labor is greatly lessened and simheavy rain, so as to wet the soil several inches deep, the wild carrot may be pulled out by putting the hand low and set all the other ewes and lambs down and grasping the top of the root. to running about and trampling down It is not easy work, and the dust from the weakest. Instead of that let him carrot blossoms is often injurious to quietly reach out with the hook and those who have severe colds or caseize her by the leg, preferably a hind tarrh.-American Cultivator. leg, and no great disturbance is cre-

QUACK GRASS ON SANDY SOIL. Where quack grass is fully estab-

lished on sandy soil, its roots go down very deep, and it is harder to destroy than is quack in a soil that is clayey pounds fresh stone lime and 100 to or loamy. In the latter, both air and light are better excluded from the allow to settle while being used. quack roots than is possible where the soil is sandy. It is, besides, exceedingly difficult to plow or dig down lead, four ounces arsenate of soda deeply enough to bring all the quack and 100 to 200 gallons water. Mix the roots to the surface. But as the quack roots secure permanent sod, they are of less disadvantage on sandy soil, which is often hard to get seeded with either grass or clover. In fact, some sandy soil farmers have told us that they considered the quack grass nearly as much advantage as detri- When applied to orchards paris green ment to their farms. But we have generally noticed that this avowal tion of one-half pound to each fortywas made after determined but unsucfive or fifty gallons, thus making a cessful efforts to get rid of the quack grass, and their praise of its good On preparing this solution, take a barqualities must, therefore, be taken rel filled with water and put the lime with some allowance.

#### ABOUT SILOS.

Two siles built high and narrow are better than a single one which presents a larger surface to the air. Then we can feed from one at a time and expose the less area while feeding is in progress. The old way of cutting corn for the silo before the grain has formed has been wholly abandoned by good farmers. Walt until the stuff has some sustenance in it before trying to make it into feed. Cut it up. ears and all; and keep it well covered.

Results obtained by feeding the corn whether dry cured or kept in the silo. are essentially the same, but there is of the finest corn fields in the neightwo small ones borhood, with scarcely a hill missing.-

THE SHEPHERD'S CROOK.

How many herders in this country

ise a shepherd's crook, and how many

men are there who know how to make

one? Any blacksmith of ordinary in-

SPRAYING MIXTURE FORMULAS.

Paris Green-For destroying insects.

Mix one pound paris green, three

200 gallons water. Stir well and don't

Arsenate of Lead-For destroying

insects. Mix eleven ounces acetate of

acetate of lead and arsenate of soda

separately in about a gallon of warm

Bordeaux Mixture-Make a solution

containing five pounds sulphate of

copper (blue vitriol), five pounds lime

and forty-five to fifty gallons water.

should be added to it in the propor-

combined insecticide and fungicide.

and paris green in immediately. Then

put the sulphate of copper in a por-

ous bag and hang it in the barrel.

When copper is all or nearly all dis-

solved the mixture is ready for use.

Hellebore-Used dry or mixed with

water in the proportion of one ounce

but kills some insects by contact.

soap to one gallon of water.

water, then mix all together.

ican Agriculturist.

ated.

We cannot afford to allow a tree to over bear. It means a sure loss .- M. Summer Perkins in Farm, Field and Fireside.

OUR DEADLY FOUR-INCH GUNS.

#### A Favorite on Board the Best Ships of the Navy.

genuity can make one with a little instruction. Take a rod of spring steel In every engagement which permits five-sixteenths of an inch thick; weld their use, we read of the effective it to the socket of an old hoe handle, work done by the four-inch guns of for the reception of the wooden hanthe Navy. The main batteries of all dle; bend it into a hook about four four-inch rapid fire rifles, which are inches long, an inch wide on the inside they were overwhelmed with astonaltogether the most popular weapons at the bulge, and seven-eights at the in the service for offensive and defensive purposes on the lighter vesclose again on the leg; flatten it at the sels. The Castine, the Helena, the and as the Indians were too many to Machias, the Nashville, and the Wilmore and back, with a roll or knob on mington are each equipped with eight fight, the young fellows decided to the end, to prevent laceration of the of these guns, while the Annapolis, parley with the savages; but their the Marietta, the Newport, the Princeby the fact that while the Indians should be six or seven feet long. With ton, the Vicksburg and the Wheeling the sheep hook in his hand the herdeach mount six of them. The Banspoke not a word of English the Scotch boys were totally ignorant of the sign croft relies upon four, and the Doi plified. If a ewe is to be caught it is language in which the Indians tried to phin upon two as their chief fighting clumsy and cruel to create an uproar powers. converse.

> Even the formidable Iowa has six of them upon her superstructure to deter the approach of torpedo boats, and the armored cruiser New York mounts twelve in her secondary battery. The fastest two vessels in the navy, the Columbia and the Minneapolis, have eight apiece, and the double-turret monitor Puritan is provided with six to support her four 12-inch monsters. The chief advantage of these guns lies in their extreme rapidity of fire and ease of manipulation, while their penetrating power at all ranges enables their projectiles easily to pierce all unarmored cruisers and lightly protected gun positions.

This gun of four inches calibre weighs, without its mount, 1 1-2 tons, or exactly 3,400 pounds. Its length is 13.7 feet, and its greatest outside diameter is 13 inches, its total length of bore being 157.5 inches, and the length of rifle bore 128.12 inches. The twist of its rifle begins at zero and increases to one in 25. there being 20 grooves. It fires a 33-pound shell with 14 pounds of smokeless powder, which develops a muzzle velocity of 2,000 feet a second and a muzzle energy of 915 foot tons. Such a shot will perforate a seven-inch plate near the muzzle and will go clear through a fiveinch plate at 1,500 yards' distance. Ordinary crews on all the gunboats get a rapidity of fire of six a minute out of these 4-inch rifles, four men handling the ammunition, while two sight the piece and fire it.

This speed enables a 4-inch gun to to two gallons. Is an internal poison throw as much weight in a given time Whale-oil Soap-For plant lice and as the 5-inch rifle, which is practically other sucking insects on plant in foli- twice its size, the latter weighing age, use one pound of soap dissolved three tons and firing under the best in five gallons water. For San Jose conditions four 50-pound shells in a and other scale insects, two pounds of minute. The best penetration of the 5-inch rifle is barely an inch more Kerosene-This should be applied in than that of the four-inch at all the form of a very fine spray at a ranges, but in ten misutes the 4-inch time when the tree is perfectly dry, igun will throw 60 well aimed shots,

of death was about to begin. Should not be used on damp or cloudy | while the 5-inch cannot be relied upon Then the chief Indian sounded a note with his voice, and all the Indians bethey were singing? The Scotch boys, piously reared, knew the tune well; it In the English Illustrated Magazine, was the one to which they were accus-

taking his turn.

#### the Moorish conquest. These people were whiter than those who had been Terror Vanished When the Red Men Began mixed with Moorish blood. The veins upon their hands were blue, while the

AFRAID OF INDIANS.

to Sing a Hymn.

About sixty-five years ago, says a

writer in the Montreal Witness, two

youths came from Scotland, and struck

County, in what was then Upper Can-

might be found in the region, and they

watca. Nearing their destination, they

encamped one chilly night by the side

their lunch, hovering over the fire.

isoment and fear by seeing a small

As it was too late to try to escape,

'parleying" was rendered of no effect

But presently the savages made a

gesture which the boys understood.

It was a beckoning sign and plainly

"Well," said one of the boys to the

other, "it is evident that we have got

to die, and we may as well die at their

"In any event we will die like men,"

So they started along, following the

Indians, or rather followed by them.

Soon they reached a large Indian lodge

which they entered. The Indians beck-

oned to them to sit down in front of a

large fire in the center of the lodge.

which was directly beneath a hole in

The Indians offered them food, but

appetite had been scared out of them.

The Indians ate and then got out

"Our time has come," said one of the

"So it seems," said the other, "but

However instead of falling upoa

them with the weapons, the Indians

procured a lot of strips of ashwood

stripping, measuring, splitting and

bending the wood. The boys were a

little reassured and yet they agreed

that probably the savages would pre-

tend to fall asleep and would murder

them in the night. They resolved that

but one of them should lie down, while

After the Indians had worken at

suddenly gave a yell that froze the

the roof that served for chimney, win-

meant come along.

camp as here."

said the other.

dow and ventilator.

hatchets and knives.

let us sell our lives dearly."

boys.

"We will."

band of Indians suddenly arrive.

blood of the masses, contaminated by the Moorish infusion, showed black upon their hands and faces. So the white Spaniards came to deelare that out for the wilderness of Oxford their blood was "blue," while that of the common people was black. The ada. They had heard that Indians phrase passed to France, where it had no such significance, and thence came kept a sharp and somewhat fearful to England and America. It is now used arbitrarily to designate old aristocracy or families proud of their anof a stream. While they were getting cestry .- New York Tribune.

## THE GUNS OF THE LADRONES.

#### Old Cannon to be Found in the Islands of the South Pacific.

A cannon being too big to be mislaid, it is generally known what becomes of old guns. The smoothbores of the civil war are known to have been used up in soldiers' monuments and G. A. R. emblems. Condemned cannon of an earlier period now keep the peace in many coastwise towns, buried at street corners to the trunmons and presenting upward either the cascabel or the muzzle blocked with an old cannon ball shrunk in. The old forts and the military museums account for a few more. But these uses cannot account for ail the big guns of the past, and the melting pot is supposed to have received the rest of this metal of war.

Much of the antique ordnance has been melted down into the pots and pans of peace, but there are very many thousands of ancient cannon scattered all over the Pacific and the East Indies. It causes the experienced island no more surprise to find ancient founders' names on the guns lying in the grass of savage towns than

the trader in Africa feels at discovering still in use the muskets that served their turn in the wars of Marlborough. Some of these guns were mounted an 1 emplaced by exploring expeditions of old, when new-found territory was calmly taken by the first comer. Such are the guns at Nukahiva and Hiva-oa which tell the tale of the time when Americans annexed the Marquesas and built up a navy in the Pacific to defend them. Such, too, are the guns at San and went to work making baskets. Juan of the Ladrones, which the Manila expedition has just seized. While none of the batteries at San Juan is modern or efficient, one is conspicuously inefficient. This is a bastion so placed as to protect the old careening beach on which the galleons were hove down to make ready for the long

the other would sit up and watch, each voyage to Acapulco. These guns, ric 1ly decorated and piously dedicated. Haskins ain't in it with that feller for date back to the time when the whole lyin'. I tell you he's the biggest liar basket making for some time, me of | Pacific was a Spanish lake closed to | them, who seemed to be a sort of chief. all adventurers, but the stately march you when he comes back."" of the plate galleons between Manila blood in both boys' veins. The Indians and Mexico. Some of the guns in this threw down their implements and bastion are old enough to have seen reputation of the champion of all the formed in a circle about the fire, and service when Drake pried open the liars who had ever come to Nova Scothe white boys. The terrible ceremony | rich Facific.

Others of these guns are pirates' loot from armed merchantmen. Of such acquisition are the many guns in the gan to sing. But what was it that beach towns of Mindoro and Minda. nao and other southern Philippines. where piracy was relinquished only when its profits vanished as the gunboats patrolled the straits. But the biggest trade in old cannon used 'co be carried on in the South Seas. Every whaler carried a supply as ballast bound out, and each gun was a thing of value at the islands. For a cannon and one keg of powder any sava ... chief was glad to equip the whaler with all the kanakas needed for boats' crews. Each chief was anxious to make a show of ordnance, and could not have too many cannon. The guns were seldom mounted; if fired at all they were loaded just as they lay hapbazard on the ground, and the one object was to make a noise. The guns are still there on the islands, but the civilized races have put a taboo on powder, and it is long since the South Sea Islanders have heard the sound of their neglected artiliery, New York Sun.

## MADE A REPUTATION.

#### An Erudite Man's Conversation With a Boy and the Result.

Some good men are naturally such teachers, and so full of benevolence, especially toward the young, that they cannot help spreading wisdom wherever they grow. That the seed may fall upon stony ground is proved by a story which a gentleman, who went aunting into the interior of Nova Scotia, tells in a letter.

The hunter was carried sixteen miles at night by a boy sixteen years old and a horse fifteen years old. The ride was tedious, and the boy driver was inclined to fall asleep. The huoter, therefore, thought to interest him in something,

"I see we are going due west," he said.

"How do you know that?" asked the boy. "Was you ever here before?" "No, but there is the North Star." "How do you know it's the North Star?"

"Why there are the pointers." "What pointers?"

The hunter explained, and told the boy how to find the North Star. The boy seemed wide awake now, and the hunter went on to give him his first lesson in astronomy, telling him how Jupiter was 1300 times as large as the earth, and how Mars showed changes of seasons, how it held bays, and appatent canals and so forth, and how it was supposed by many to have intelligent inhabitants.

When, after his hunting, the stranger returned to the town where he had hired the conveyance and the boy, he found that the people seemed to have a certain humorous interest in him. It was so evident that he was the object of some curiosity that he made inquirie and finally found a man who could tell him.

"Why," said his informant, "you've made a great reputation for yourself around here."

"In what way?"

"Oh, the kid that drove you over to - the other night came back the next day and told all the 'setters' at the hotel that of all the liars he ever heard, you were the slickest."

"What lie did I tell him?"

"The boy said that you pretended to know the number of miles to the sun, and that you pointed to a star that you said was called 'Jumpter,' and that you said it was 1300 times bigger than this world, and that you pointed to another star that you said was one where folks lived."

"'Oh,' says that boy, 'you just ought to hear him! He's a peach. Old in Nova Scotia. I'll point him out to

The boy had pointed him out, and he was at the moment enjoying the tia.

Riveting Electrically. One of the new phases of electricit about shipyards is for electrical riveting, this being claimed to be a more efficient system than either the pneumatic or hydraulic. If a central generating station and system of transmission wires is already a part of the yard, and there are very few yards where this is not the condition, electrical riveters will be less expensive than laying down any other system. As regards quantity of work, an electrical machine is stated to do 1,200 rivets in a day of ten hours with three men and a boy. The electrical riveting machine can be moved about at will and will work in any positioa. The pressure of the die for various sizes of work is easily regulated in the machine by an electro-magnetic clutch so that only the necessary amount of work is done to suit the size of rivet,-Pittsburg Post.

no doubt whatever that the silo offers much the less laborious way of storing the crop and feeding to the cattle. and in a way, too, which makes the farmer almost independent of the weather at harvest time, for the weather does not interfere much with work of filling the silo. Then the food is all chopped and ready for winter handling .- Farm News.

## HANDINESS WITH TOOLS.

One of the most important qualifications needed in a farmer or one employed in farm work is that he have sufficient mechanical ability not merely to use farm tools, but if need be to repair them. This is more than ever true now that so much farm work is done through implements in which the horse, steam or wind power furnish the motive power, while the man's work is only to direct and keep chanical ingenuity to keep them in to accomplish much, bat he will very probably have a broken machine on deal of expense to repair. It is far is this kind of skill that most surely commands good wages everywhere.

#### THE HARROW FOR CULTIVAT. ING CORN.

The best implement I know of for cultivating corn is the common harrow, which I have used with success When the corn is three to five inches high I go over the field with the harrow, being careful to have the horses walk astride the row each time. The work may appear wasteful at first. True it may pull down and cover some but is remedy this evil two, three or more young people or children follow with hoes made as follows: Take a piece of tough board 1x1 1-2 inches producing fruit buds and fruit. and six inches long thd into it drive four or five three-inch wire nails one inch apart, get old broom or rake handles and fasten on for handles. These are easily made. I give one to each heiper and take one myself. good jcb. The work is mere play. If cessity of large use of axe or saw. are out of sight in the corn. This was worth more than two small ones.

days. Kerosene and Water-Mix together under pressure in any proportion desired.

Kerosene Emulsion-For destroying sucking insects. Dissolve one-half pound whale-oil soap in one gallon heated water. While hot remove from fire and add two gallons kerosene. Stir mixture until a creamy mass. This thickens on cooling and can be kept indefinitely and diluted with ten or fifteen volumes of water when desired for use

Tobacco-An excellent contact polson prepared by steeping one pound tobacco or tobacco stems in two gallons of water.-Orange Judd Farmer.

#### ORCHARD AND FRUIT GARDEN CULTURE.

Trees and fruiting plants in general need fertilizers, but they require tillage more. Cultivation is the key note only 1 in 100, or odds of 99 to 1 against the implement doing its work. Many of successful fruit culture. To seed of these farm tools require much me- a growing orchard down to grass is 50, 770 per 1,000 live 10 years more, i. certainly a most unwise and unscien | e., to age 60; therefore, we may say order. An unskillful man in charge of tide practice. We should regard our the chance of a man aged 50 living to a reaper or mower will not only fail trees as we regard crops of corn and 60 is represented by odds of 77 to 23, potatoes, and whoever neard of sow- or about 7 to 2 in favor of the man ing down these last named crops to aged 50 living 10 years more. This Lis hands that it will require a good grass. No, we want a loose' mellow chance, favorable as it is, is of course soil, to admit sun and air, to promote not nearly as great as the 16 to 1 better to employ men as farm help growth and thrift. We do not wish chance in favor of a man aged 29 livwho are ingenious enough to manage any crop in our orchard. Let the fruit ing to age 30. Glancing at men aged or repair all kinds of machinery, even have all the room and moisture and though they require higher wages. It fertility there is. Keep the cultiva- 10 years more, i. e., to age 80; this tion moving, surely until August, to means that 34 per 100 live the 10 render the soil friable and to conserve moisture.

This matter of tillage cannot be too strongly emphasized.

finger for the work, that is, visit the orchard frequently during the grow- it being represented by the long odds ing season, remove surplus branches while they are still in the bud or ten- outside chance. der shoots. Why allow the tree to expend much vitality in producing wood which must be eventually cut away? Better by far only allow what wood is actually needed to be grown, and reserve all remaining energy for

The less sawing done in an orchard the better. 1 do not by any means advise withholding the saw if it be need-

Scientific pruning is really very With needful to successful fruit culture. these we follow the harrow, pulling up What I do mean is to urge growers to the down or covered corn, thus stir- as far as possible prune the young ring the ground thoroughly, making a shoots and thus do away with the neneed be I run the harrow over the Thinning is another vital principle other way across the field a few days of fruit culture. It often requires later, thus pulverizing the ground and some courage to thin fruit as it should giving the corn a splendid start, fol- be done. It seems to be a loss and a fowing the harrow each time with the pity to destroy so many fine specihoes. After this put on the one-horse mens of growing peaches, plums, etc.; cultivator or scuffer every eight or ten but it must be done to secure highest days until the tassels are on or you results. Surely one large fruit is

to throw more than 30

#### A Man's Chance of Life.

Mr. J. Holt Schooling works out some interesting results as regards the chances of males at ages 20, 30, 40, 50, 60, 70, 80 and 90, living for 10 years more, 20 years more, 30 years more, etc. For example, as regards 1,000 men aged 20, 939 of them "live 10 years more." i. e., to age 30; that is, 94 per cent. live to age 36 and 6 per cent. do not, so the chance at age 20 to live to age 30 is not quite 16 to 1 in favor of living. Similarly, 539 out of 1.000 'live 40 years more," i. e., to age 60, so that the odds in favor of a man aged 20 living to age 60 are 65 to 44. say 5 to 4, in sporting phrase. Again, as only 10 out of the 1,000 "live 70 years more," i. e., to age 90, the chance of a man aged 20 attaining age 90 is him. As to the chances for men aged 70 we see that only 335 per 1,000 live years and 66 per 100 do not, so the chance at age 70 of a man living to age 80 is represented by the odds of 2 to 1 against him. As for men aged The really rational mode of pruning 90, of 1,000 men alive at age 90, only is to use principally the thumb and 4 live to age 100. Thus at age 90, the chance of living 10 years is very small.

#### Protection From Flying Splinters.

In the old wooden vessels of former times, casualties from flying splinters were often as great as those caused by actual shot and shell; and to stop these, nettings of stont rope, thickly tarred and then sanded, were placed next to the sides of the ship. Similar nettings are still used, but they are now made of steel rope, or of ordinary rope and leather, or are woven into a thick mat, which is quite efficacious against small pieces of bursting shell. In addition, many ships are now fitted with steel traverses or bulkheads. placed crosswise of the ship, between the guns, and these also serve to prevent destruction of life by flying fragments .- New York Independent.

Restaurant dining is becoming more than ever the rage in London, England

Artificial legs and arms were in use my mode of cultivation last summer | The large one not only sells for more | in Egypt as early as B. C. 760.

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How pleased and blest was I To hear the people cry. "Come, let us seek our God to-day."

tomed to sing the words:

The boys looked at each other in astonishment, and when the Indians had sung this song-in their own language. of course-they sung a greater and more thrilling one, "Rock of Ages. Cleft for Me."

The fears of the boys were gone. In their own tongue, they joined in the song with more unction, no doubt, than they had ever before known in singing it; and when the Indians had finished their devotions, for it was with a devotional purpose that they had sung, the boys lay down to sleep and slept soundly in the warmth of the fire.

The tribe was one which had been visited by missionaries, and the men had no other purpose than one of grateful hospitality in bringing these wandering white youths to their lodge. The next morning they ate with gusto the food which their hosts offered them, and expressing their thanks as best they could, went their way.

### What Two Flags Represent.

England's national flag has been called "a triplet of crosses," for it is composed of the cross of St. George, the cross of St. Andrew, and the cross of St. Patrick. Thus: The flag of "St. George for merrie England," a red cross on a white ground, the red lines drawn straight from top to bottom. and from side to side; the flag of St. of 249 to 1 against the man-quite an Andrew for Scotland, a white cross on a blue ground; the flag of St. Patrick for Ireland, a red cross on a white ground, the narrow red lines drawn from corner to corner. By placing the cross of St. George on that of St. Andrew we have "the Jack," as ordered in 1606 by James I, whose signature was always "Jacques;" hence the expression, "the Jack." By laying the cross of St. Patrick over that of St. Andrew and then placing that of St. George over both, we have "the Union Jack," as borne since the union with Ireland in 1800. An eloquent Canadian writer finds that the American flag and the English flag wave together with singular beauty and harmony. "the one proclaiming the starry heavens, symbolical of God's lafinite pow er-the other emblematic of his greatest work, the redemption of mankind,

The Origin of Blue Blood.

After the Moors were driven out of Spain the aristocracy of Spain was held to consist of those who traced their lineage back to the time before minster Abbey in 1638.

#### Uncomfortably Near to Fame.

Some lawyers were talking the other day in a Piscataquis town about the quick wit of Chief Justice Peters. To what occurred once upon a time between Peters and "Old Corneilus," the porter of a big hotel in Bangor.

The chief justice was then plain Mr Peters. He had boarded at the hotel for several years and as a matter of | quit of. It is caused by the food and course had had a good many frolics and good times there, all of which were fully within Cornelius's knowledge. One day Cornelius came to him in great seriousness. "Mr. Peters," he began, "I am going to publish a book telling my experiences and recollections since I have been porter in the house. How many copies will you take?"

"Thunderation, Cornelius!" replied ing to tell what you know, I'll take the whole edition."-Lewiston, Me., Journal.

#### Austrian Army Shelter Tent.

The Austrians have recently adopted for their army a shelter tent, which when not pitched, is separated into pieces cut to fold over and form storm coats for the soldiers. The material is a light, strong, waterproof linen, bound along the edges with wire braid and provided with cords, which serve the double purpose of fastening either the tent or coat. Upon halting for a night the soldiers remove or unpack their coats in pairs, tie them together and form their tent upon their two rifles, which, with bayonets fixed, are stuck into the ground to form tent

#### About Coughs.

Every person who coughs should not alarm himself with the idea that he is in a bad way. Experience has convinced us of a fact that there are two distinct kinds of coughs-one proceeding from an affection of the lungs. and air-tubes, as in a cold, the other illustrate ,one of them told a story of proceeding from effervescence in the stomach. The lungs cough is a symptom which all know to require attention, lest serious consequences ensue. The stomach cough is a much more simple matter, and may easily be got drink which are put into the stomach effervescing, and producing an irritation. A knowledge of this fact ought to lead persons so affected to ponder a little on the nature of their allment and the tone of their digestive powers. -New York Ledger.

#### A New Method of Handling Grain.

The conveying of large quantities of grain from one point to another is Mr. Peters instantly, "if you are go- frequently attended with very serious loss, and plans of all sorts have been adopted at one time or another to avoid this waste. One of the newest ideas in this line is the carrying of grain in tight boxes or tanks and transferring it from one receptacle to another by what is equivalent to pumping. Flexible pipes are distributed through the tanks and powerful engines draw the grain in at one end of these pipes and deliver it at another, very much as water is conveyed. In addition to ease and rapidity of handling it is claimed that the grain is benefited by the current of air which naturally passes through it during this pumping process .- New York Ledger.

> In Illinois during the past year 115 coal mines were abandoned and 79 mines opened.

Artificial limbs are usually made of willow on account of Mghtness.

