A THREE HORSE TEAM.

A Serviceable Arrangement of Poles Illustrated and Described.

A three horse team is often needed on the farm. Ohio Farmer calls attention to the three horse wagon pole shown in the cut, as being better and stronger than many that are often used with three horses. Following is the description:

Three or four years ago I broke my wagon pole. I bought another and made a three horse tongue out of the old one. I sawed the pole off about four or six inches from the hounds and made a tenon on the end. I took a mortising chisel 2½ inches square and 2 feet 4 inches long, and made a mortise in the middle for the tenon on the pole; also made a small tenon on each end of the cross pieces, as shown in the cut at C. I bolted pieces of iron on the ends of the poles, with holes for the bolt B, that goes through

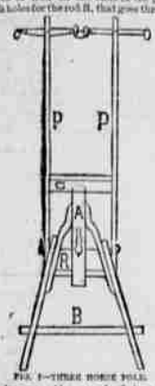

FIG. 1—THREE HORSE POLE.

the tongue. Also a rod of iron goes through the poles close to the crossjoint. Where the bolts are screwed tight it makes the tongue very solid. In the cut, A is the broken tongue, B the front axle of the wagon and P the poles.

The neck yokes are twenty-eight inches long. The middle ring is ten inches from the outer end of each yoke. The rings on the end are fastened with a clip and two rivets. A small ring is welded in each ring to snap the check strap in. The two middle rings are connected by a third ring for the middle horse's strap. I use big hip breeching. The length of the poles and their distance apart depend upon the size of horses. My horses weigh 1,100 to 1,200 pounds. I made my poles as short as possible. You can see by the cut of eveners (Fig. 2) that I can hitch short, and bring the load close to the back rod that holds the poles to the wagon. The poles should be wider apart at the ends than at the crossjoint. Mine are twenty-eight inches apart at crossjoint and thirty-six or thirty-eight inches at the ends.

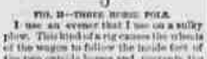

FIG. 2—THREE HORSE POLE.

I use an evener that I use on a sulky plow. This kind of a rig causes the wheels of the wagon to follow the inside feet of the two outside horses and prevents the wheels from getting into ruts, and with the neck yokes described a team can haul hack with ease.

How Some Queer Fish Dine.

The carp carries his teeth back in his throat, so that when he has a sore throat he does not know whether to send for the doctor or the dentist. He resembles the cow in the respect that he chews his cud. It is a pity that some of the other virtues of the cow do not also pertain to the carp, for he would be a much more useful fish if this were so, although it would not be possible for him to give milk, as does our good bovine friend, owing to the certain destruction of every drop of it by the river in which he lives, and which, as many of the readers of this paper know, is full of water.

The horseshoe crab chews its food with its legs, which is a very curious thing even for a crab to do, while the oyster feeds with its beard. The oysters would starve to death if they had to wait as long as little boys and girls do for their beards to grow. But fortunately they have to do nothing of the sort, although, to tell the truth, the oyster's beard is hardly more perceptible than that of the smoothest shaved little boy or girl in the world.—J. K. Bangs in Harper's Young People.

Brilliantly Colored Alloy.

In the course of an investigation, part of which has already been communicated to the Royal Society, Professor Roberts-Austen has discovered the most brilliantly colored alloy as yet known. It has a rich purple color, and bright ruby tints are obtained when light is reflected from one surface of the alloy to another. It contains about 75 per cent. of gold, the rest of the alloy being aluminium. The constants of the aluminium gold series of alloys are now being examined.—Nature.

Worthy of Note.

Farm Journal advises painting knots on cherry and plum trees with kerosene as soon as they appear.

The Clematis provides a handsome climber for arbors and verandas.

It is claimed that freshly laid soil is much more likely to succeed if covered with about an inch of fine soil. This will save it even in a dry time, when otherwise it would fail to get a good start.

The acreage of bearing vines in California in 1890 was 155,372 acres. New York comes next with 46,859 acres, then Ohio with 39,087 acres; Missouri, 10,000 acres.

A Bank Where Women Trade.

The Fifth Avenue bank certainly over 5,000 accounts on its books, more than fifty of which are in the names of women. No bank in the country carries such a proportion of women's accounts. To accommodate this interesting class of customers the bank has established a separate department for the ladies. The forty-fourth street side of the bank is devoted entirely to them, and ladies can transact their business without coming into contact with the customers of the other sex. A business parlor for the use of ladies is also provided.

Rhode Island Savings Banks.

Rhode Island contains thirty-eight mutual savings banks. They pay a small interest on deposits like most savings banks, perhaps four per cent. on the average. But a feature of these institutions is that the depositors receive dividends on the profits made by the bank, after the manner of building associations. This feature has made the mutual savings banks so popular that now in Rhode Island there are $60,000,000 deposited in them. The people of Rhode Island have put by small savings that amount to that much in the aggregate. Rhode Island has little agricultural resources to speak of. Her working people labor mostly in the factories and the wages paid by these soldiers make millionaires of the operatives. Yet, little by little, laying by fifty cents to a dollar a week, the thrifty Yankees of the smallest state in the Union have $60,000,000 put away for a rainy day.

All Rhode Island contains a population of a little more than one-third as much as the one city of Chicago. The whole state is about equal in size to Cook county, in which Chicago is situated. Yet, averaging the money laid up among the mutual savings banks depositors in Rhode Island, it is found that it amounts to $272.60 per capita. This is probably the best showing of any savings bank or building association depositors in the country.

What a City Government May Do.

Two years ago in London the plan of electing the municipal officers by the people was adopted. The old city government was not satisfactory, and London went in for making a clean sweep and reforming it altogether. It was replaced by the London common council. Only persons of unimpeachable character were elected. The best citizens of London managed to serve their home town. Sir John Lubbock was made president of the council. Among such men as he "practical" politics would have been as out of place as a hymn in a church at high commission.

Sir John Lubbock has made his report of the work accomplished by the council. It has boldly torn down for wholesale thrifty tenement houses and put sanitary apartment houses in their place. It provided bathrooms for the London workingmen, and more than a thousand cricket and football grounds. It enthused contingently the doctrine that the public parks were for the people by putting in seats, gymnasiums and swings. By establishing a line of free ferry steamers at a nominal cost twenty-five miles cheaper on the run for a million of London's inhabitants. The council met desires Londoners to buy and place in its hands for management the gas and water supply of the city. If this shall be done the world will have opportunity to see how public works thrive under city government ownership.

The London common council was thus inaugurated purely with the design of governing London in the manner that is productive of most good for its citizens. When shall we have municipal governments working for the same object in American cities?

The United States law authorizing the organization of naval militia can be made very effective for national defense by the coast states. It is necessary for such states to pass an enabling militia act and effect an organization before the appropriation made by the general government is available. Thus far New York, Massachusetts and Rhode Island have applied for their naval militia allotments of money. Massachusetts has an organization of 320 men for coast defense.

Unenrolled as material for a romance is the story of Frank Wensley and John Brock, who left Springfield, O., together fifteen years ago. They went to a Texas ranch to raise cattle. For some reason lost known to himself, one day Wensley disappeared utterly, as completely as if he had vanished from the face of the earth. Cowboys and miners are a stay of reaching conclusions quickly, and as soon it was suspected that his partner had murdered and made away with Wensley, Brock was arrested and only by the skin of his teeth escaped being strung up in the nearest tree. He did get out of the lynchers' clutches alive however. From that day on he had one object in life. It was the finding of his lost partner. On this depended the establishing of his good name among men. He was either a deeply injured man or a suspected murderer. He valued his life and such fortune as he had in finding Wensley. He found a trace at length and followed it to the end. At last he has found him, alive and pursuing his way like an ordinary mortal. He had known of his former partner's search for him, but kept silent. The rest of the story is that Brock has now and Wensley for $20,000 damages in not discovering himself and thus proving Brock's innocence.

A Cure for Cramps in the Stomach.

Albert Erwin, editor of the Leonard, Texas, Graphic, says: "For the cure of cramps in the stomach Chamberlain's Colic, Cholera and Diarrhœa Remedy is the best and most speedy I ever used." Many others who have tried it entertain the same opinion. d&s

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