Abandoning the Missouri

There are indications that the long and costly struggle to keep the Missouri river a great highway of commerce is to be abandoned and that the river will be permitted hereafter to pursue its erratic course to the Mississippi without attempts by United States engineers to keep it in orcer. Millions of acres of land have been swept away and deposited elsewhere. In one place a tract of 1,700 acres was transferred in a single night from Iowa to Nebraska by a change in the course of the river. There are indications that the long

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Horse Power.

A horse power is the force required to lift a dead weight of 33,000 pounds one foot a minute. To find the horse power of an engine multiply the area of the piston in inches by the average steam pressure in pounds per square inch. Multiply the product by the travel of the piston in feet per minute and divide that product by 33,000. If an engine is rated at 73-horse power it wil raise 33,000 pounds one foot 73 times in one minute.

Hall's Catarrh Cure is a liquid and is taken internally, and acts upon the blood and mucous surfaces of the system: Send for testimonials, free. Sold by druggists, 75c. F. J. Chener & Co., Props, Toledo. O.

English shipbuilders get their guns and boilers in Germany.

FITS permanently cured No fits or nervous-ness after first day's use of Dr. Kline's Great NerveReskore, \$2trial bottle and treatisefree Dr. R.H. KLINE, Ltd., 981 Arch St., Phila., Pa. The average salary of clergymen in the United States is \$900 a year.

Mrs. Winslow's Scothing Syrup for children teething, soften the gums, reduces inflammation, allays pain, cures wind colic. 25c. a bottle The first trackless trolley in America will be run in Franklin, N. H.

I do not believe Piso's Cure for Consumption has an equal for coughs and colds—John F. Boyer, Trinity Springs, Ind., Feb. 15, 1900. It's usually youth and not learning that makes young people so smart.

SURGICAL OPERATIONS

How Mrs. Bruce, a Noted Opera Singer, Escaped an Operation. Proof That Many Operations for Ovarian Troubles are Un-

"Dear Mrs. Pinkham: —Travelling for years on the road, with irregular meals and sleep and damp beds, broke down my health so completely two years ago that the physician advised a complete rest, and when I had gained



MRS. G. BRUCE.

sufficient vitality, an operation for ovarian troubles. Not a very cheerful prospect, to be sure. I, however, was advised to try Lydla E. Pinkham's Vegetable Compound and Sanative Wash; I did so, fortunately for me. Before a month had passed I felt that my general health had improved; in three months more I was cured, and I have been in perfect health since. I did not lose an engagement or miss a meal.

health since. I did not lose an engage-ment or miss a meal.

"Your Vegetable Compound is cer-tainly wonderful, and well worthy the praise your admiring friends who have been cured are ready to give you. I always speak highly of it, and you will admit I have good reason to do so."—Mrs. G. Bruce, Lansing, Mich. \$5000 forfeit if above tertimental is not genuine.

The fullest counsel on this subject can be secured without cost by writing to Mrs Pinkham, Lynn, Mass. Your letter will be entirely confider ial.



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AGRICULTURAL.

Receesessessessesses

Filtering Milk.
When milk is filtered through cotton no germs enter the milk, as the process is almost equal to sterilization and fully so if care is exercised. The main point is to guard against the odors in the stable during milking.

Saving Nitrogen in Stables

Experiments in Europe have proven that the loss of nitrogen from the manure in stables amounts to 63.6 per manure in stables amounts to 63.6 per cent, where peat was used. In the sheep shed they found a loss of 50.2 per cent, where straw was used, and about half as much where peat or earth was used. Dry earth rich in humus or vegetable matter is about equal to peat. A good plan for using them is to put the earth or peat over the straw where the manure drops.

The Dust Mulch.

Nearly all will try to keep the weeds killed in the growing crops, but there is still as much need of stirring the soil when there are no weeds. The soil kept fine and dry by frequent cultivation has as much effect in preventing the evaporation of the moist-ure below as would a mulch of straw, and it has also the advantage of ub-sorbing nitrogen; if not from the at-mosphere, at least that which may be absorbed by water and brought down time, if there is three inches of firm, dry soil on the surface, very little moisture will rise through it, although it will usually be found that immediately below that is damp soil, with more water content than would be found at the same depth beneath a soil baked hard on the surface. When the soil reaches this last condition, the more quickly it is stirred the better for the growing crops. — Massachusetts

A Free Range.
On most farms chickens have free range. A free range for chickens has its disadvantages, but it is unquestion-ably the place for rearing chicks with hardihood. It is on the free range where strong, vigorous breeding stock is produced. In speaking of a free range we are free to say that there is a rast difference in even a free range. Nothing will be found anywhere equal to an all over the farm range for fowls. Flocks that range all over the farm are exposed to many dangers, but these are the ones that are sought as good breeders when quality is found there.

In addition to the varied diet secured by such fowls there is obtained that vigor that alone can come with exer-cising and rusticating about the farm. The human being will have his appe-tite wonderfully improved when he gets out and commingles with nature. One who has been running down on account of sedentery habits will develop an appetite like a threshing machine should he get out and camp, hunt and fish and take all kinds of open air exercise. This same kind of develop-ment is also found in the chick that is given the same opportunities.—Poultry Farmer.

Quickly Made Cistern For Barn. Have a cistern that will supply water on rainy days, at least. This will prevent exposure to the storm. Three barrels mounted in a corner of the barn as shown in the cut will hold enough for the stock during all storms, for while the storm lasts the barrels will be replenished. A pipe from the gutter is brought inside the boarding to the first barrel, and conveyed to a number



of others in the manner shown. A tub. with faucet, is placed below the last barrel. This plan is a great advance over driving stock out in the rain. A still better plan, on farms where it is still better plan, on farms where it is possible, is to bring the water into the barn by a pipe from a spring or brook. It may also be brought into the barn by a pipe laid from a nearby well, having a pump in the barn. The comfort and the saving of time and labor by having a supply of water thus always at hand can only be appreciated by an experience with this convenience.—New York Tribune Farmer.

concentrates mixed per diem as soon as the colt can be taught to eat them, as the coit can be taught to eat them, and this may be gradually increased. The coit's temperament and character should be closely studied, however, and the ration gauged accordingly. These concentrates and clover hay. being rich in proteine, or flesh-forming material, induce rapid development of muscle, sinew and tendon, as well as bone, and the right kind of feed and nature will do the rest, so far as bodily development is concerned.-Michigan

Raising Calves by Hand.

At the county council school at Newton Rigo, England, the calf is taken away from the cow as soon as born, rubbed dry with straw, well bedded and covered with more straw, and in half an hour fed a pint of the mother's warm milk. For the first and second week it is fed three times a day with its mother's warm milk, one and a half its mother's warm milk, one and a half pints at a time, increasing to two quarts the fourth day. The third week one-half separator skimmilk is substi-tuted and a half pint linseed soup added to each quart skimmed. A little hay is added the next week. The quantity of milk at each feed is increased to two and a half quarts skimmilk the fifth week and hay is also increased

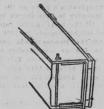
gradually.

Omit the linseed soup the ninth week and after the noon feed give a handful of linseed meal and a little pulped swedes or turnips (grass in summer) and hay as before. The noon meal is omitted the twelfth week and three-fourths pound linseed meal and crushed oats and two quarts pulped swedes substituted, but the morning and evening feed of skimmilk is continued. The milk may be discontinued the fifth month, but if one has plenty give one or two feeds a day until the eighth or ninth month. To prepare eighth or ninth month. To prepare the linseed soup put one quart flaxseed in four gallons water to soak over night. Boil and stir the next day for one-half hour and just before finishing add one-half pound flour, mixed up with cold water, to counteract the laxative tendency of the flaxseed.— American Agriculturist.

A Durable Wagon Bed.
A cheap and durable wagon bed is made as follows: Take two pieces of two by four, the length you want your bed, and three pieces of three by one and a half, as long as the width you



want the bed; these are for underneath, one at each end and in the middle. Bolt together with six bolts one-half by six inches long. The side pleees may be any height you want, placed on the two by four. Put in end and bottom boards with a rod at each end; bolt two strips on bottom of bed for cleats to hold the box in place. A bed of this kind won't cost more than \$2.90, and it will save a better bed when it comes



by an experience with this convenience.—New York Tribune Farmer, something she had not been bred to is wasting profits. One cow will produce a hundred pounds of milk with less than three per cent. of butter fat in it, and another seventy pounds of milk in the same time with six per cent. butter fats. Which cow will yield the greatest profit? If one is selling milk which in any way a horse must have good bones, and, above all, good joints. Bones are built, like the rest of the body, from the feed consumed by the young animal, and if the food does not contain the elements essential to the growth of bone it is evident that there will be a weakness in this part of the organism. The milk from the dam contains a large proportion of the most incessary mineral substances, such as lime; but the colt seems to require much more in a short time, and may be seen trying occasional mouthfuls of soil.

Probably no materials at the farmer's disposal contain more mineral or bone forming material than bran and oats, and the colt should have plenty of these and good clover hay from the start. It is quite safe, as a rule, to

THE MARKETS

PITTSBURG Grain, Flour and Feed. Grain, Flour and
Wheat-No. 2 red.

Rye-No. 2
Corn-No. 2 yellow, ear.
No. 2 yellow, shelled.
Mixed ear.
Oatts No. 2 with the shelled.
Switch with the shell w Dairy Products. Butter—Elgin creamery...
Ohio creamery...
Fancy country roll...
Cheese—Ohio, new.... New York, Poultry, Etc. Fruits and Vegetables

PHILADELPHIA. NEW YORK. Flour-Patents,.... Wheat-No. 2 red.... Corn-No. 2 Oats-No. 2 White... -Stateand Pennsylvania......

BALTIMORE.

LIVE STOCK. Central Stock Yards, East Liberty, Pa. Cattle.

Calves.

BUSINESS ACTIVE.

Except for Miners' Strike and Con gestion of Railroads Trade Is Flourishing.

it will save a better bed when it comes

R. G. Dun & Co.'s Weekly Review of Trade says: "Gradual recomption of anthractic coal mining is encouraging, although the output is not yet sufficient to have any commercial value. Business conditions are unsatisfactory at the strike center, but reports from all other sections indicate unusually prompt revival after the suminer vacations season, with exceptionally large operations among dealers in the agricultural regions. Nowithstanding some bad weather, large crops are now practically associated in an inch from the burn and riveted so they won't work off.—David Stader, in The Epitomist.

Cost of Dairy Products.

In breeding cows for any special purpose the cost of production must be carefully considered if profits are to give a large milk flow without good feeding and a natural tendency to large yields through inherited traits. A good system of feeding and a natural tendency to large yields through inherited traits. A good system of feeding may easily be adopted, and the results be obtained almost immediately, but heredity is something that goes back through many generations and decades. Yet the cost of production might and butter fats must be considered in the light of all this. When we buy well-bred dairy cows we pay for ancestral traits and past care fulness in breeding. This sometimes is the most expensive part of the cost, but in the end it pays best.

But in calculating the cost of productions of 250,000 tons. Inaderations and decades. Yet the cost of productions of 250,000 tons. Inaderations and decades the cost of productions of 250,000 tons. Inaderations and decades of the cost of productions of 250,000 tons. Inaderations and decades of the cost of productions of 250,000 tons. Inaderations and decades of the cost of productions of 250,000 tons. Inaderations and decades of the cost of productions of 250,000 tons. Inaderations and decades of the cost of productions of 250,000 tons. Inaderations and decades of the cost of productions of 250,000 tons. Inaderations

Competition for Standard Oil.

Competition for Standard Oil.

Consul F. W. Mahin writes from Reichenberg, June 16, 1902: "The Austrian refiners of petroleum have effected an organization for export purposes. It is announced that they intend to invade France, Germany, Switzerland and Italy, and wrest those countries, if possible, from the American company which now supplies their demands for petroleum, and that they also propose contesting certain markets with Russia."

Rents are falling in Buenos Avres

The okapi. The Okapi.

The okapi, the strange animal a short time ago discovered in Central Africa by Sir Henry Johnstone, is now thought to have been known to the ancient Egyptians. The old monuments show a socalled "animal of set," a desert quadruped variously supposed to have been a fox, a musk-rat, a dog, a camel and even a fabulous animal. A study of the pictures convinces Prof. Weideman that this creature was the okapi, which early hunters exterminated in Egypt.

In Humbolt and Mendocino counties, California, there are 36 sawmilis at work upon the famous redwood forests, which are gradually disappearing, the value of the output of the year 1900 being nearly \$5,000,000.

Half-Sick

"I first used Ayer's Sarsaparilla in the fall of 1848. Since then I have taken it every spring as a blood - purifying and nerve-strengthening medicine." S. T. Jones, Wichita, Kans.

If you feel run down, are easily tired, if your nerves are weak and your blood is thin, then begin to take the good old standard family medicine, Ayer's Sarsaparilla.

It's a regular nerve lifter, a perfect blood builder. \$1.00 a bottle. All druggists.

Ask your doctor what he thinks of Ayer's Sarsaparilla. He knows all about this grand old family medicine. Follow his advice and Sarasparius. Geliow ... Follow ... edit family medicine. Follow ... we will be satisfied.
J. C. AYER Co., Lowell, Mass.

Cross!

Poor man! He can't help it. It's his liver. He needs a liver pill. Ayer's Pills.

Want your moustache or beard a beautiful brown or rich black? Use Buckingham's Dye

I have been a great sufferer with piles for years, and I have tried ev-erything I heard of, and have been in the hospital at times. I have had bleeding piles, and felt terrible. An aunt of mine came from the country to see me and she made me take Ripans Tabules. I first took two four times a day, then I took one at each meal, and then one every day. At the end of two weeks I felt a great change. I thank Ripans for relieving me of Al I suffered.

The Five-Cent packet is enough for an ordinary occasion. The family bottle, 60 cents, contains a supply for a year. King Edward VII. is to establish a new order, it is said, which will confer honor on distinguished women. Since the Baroness Burdett Coutts received her title no woman has been elevated to the peerage because of her philanthropic benefactions.

Concessions have just been granted to construct and run 27 branch lines of the Swedish railways. The new lines will cover a distance of 250 miles in all, and it means that Sweden will again have occasion to purchase a large quantity of rolling stock.





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Best Cough Syrup, Tastes Good, Use
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Much that all should know about the skin, scalp, and hair is told in the circular with CUTICURA SOAP.

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Keep in the house for emergencies—for suppers, for sandwiches—for any time when you want something good and want it quick. Simply turn a key and the can is open. An appetizing lunch is ready in an instant.

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