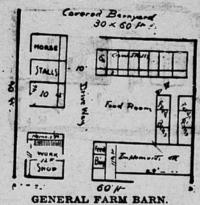
GENERAL PURPOSE BARN.

It Affords Shelter for Stock and Room for the Convenient Storage of All Feeds.

To save time and labor should be a desideatum in the selection of plans for a barn or outbuildings. My barn affords shelter for stock, room for the convenient storing and feeding of feeds, accommodations for storage of manure without waste, and many conveniences for the doing of chores.

The barn is 40x60 feet. On the south side is a covered barnyard 30x60 feet. The west side of the barnya.d is boarded up or protected by an adjoining building, thus leav-

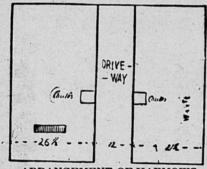


ing the south and east sides open. This affords an excellent place for carefully saving all manure, which is of great importance; also for allowing animals exercise on stormy days, and at the same time protection from

the weather, also provides shelter for any additional stock which the barn would not accommodate. The roof over the barnyard is built high enough to give storing room for straw, bedding, etc., which should be used plentifully so as to always keep the barnyard dry.

My barn contains three horse stalls, with mangers, harness closet and work shop, all on one side. Opposite are quarters for storage of implements and tools and feed bins. There are eight comfortable cow stalls with mangers. Besides the driveway, there is plenty of feed room or floor space for doing such work as may be necessary.

The floor over the barnyard should be high enough to admit a load of hay, or about 11 or 12 feet. The pump and watering trough are also located in the barnyard. The base



ARRANGEMENT OF HAYMOWS.

(if any) so as to admit a driveway from the dam where she cannot eat and have devised a theory out of the to both basement and first floor. his feed. This basement should be eight or The colt should be taken from the nine feet high and provided with dam at from four to five months old plenty of light. Floors of stables and put in a pasture by himself or should be carefully constructed so as with other colts and have a regular to save all liquid manure. The work feed of ground oats and bran once shop should contain an assortment of or twice per day. From the first tools, enabling the farmer to do the year's good feed and care, the beauty most of his own repairing, and afford- of the coming horse is developed. ing work during inclement weather. You cannot begin to educate him too Grain bins for storing various feeds young by handling his head and feet. enable the farmer to feed a properly balanced ration.

The first floor is altogether for mow room with driveway 12 feet wide. Part of the space may be set off for granaries if desired. Open chutes admit of putting down feed to basement and also serve as ventilators. Sides of chutes are boarded up two or three feet high. A cupola is placed on the roof, dimensions being in proportion to size of barn. Doors should be hung on anti-friction rolling hangers. The barn should be built of good material, kept well painted to preserve the wood, as well as for the sake of appearance. It will then be an ornament as well as a necessity on any farm.-Wilbur F. Kennedy, in Farm and Home.

HOGS AND THEIR CARE.

Do not trust the main crop of pigs entirely to young sows. If bran is used in making slop for

the hogs add a little oil-meal_ In caring for the pigs in winter make "comfort" the watchword.

Wheat shorts or middlings are a good milk food for the brood sows. It is usually unwise to discard a young sow because she fails the first

Usually the sow litters increase in size and quality as the dam becomes

The breeding boar should have but little slop, as it does not make solid flesh.

manure pile usually induces cough

In selling mixed lots of stock the best always suffers by being sold with

the inferior. In selecting the breeding sows

strong maternal should be the first consideration.

season to another. Damp sleeping places for hogs should be guarded against, as they tend to induce rheumatism, colds and food causes a hog to break down in other diseases .- Rural World.

THE GROWTH OF PIGS.

A Subject Which shoul Be Studiet Patiently and Thoroughly by Every Farmer.

It is now pretty generally under tood that sheep and cattle make gains at the least cost near the birth period, and also that most rapidly. says the Farmer, of St. Paul, Minn. This is owing to the greater activity of the secretions when animals are young. But this explanation does not so well apply to the case of swine. After several years of experimenting at the Minnesota experiment station, it has been ascertained that pige do not gain nearly so rapidly when they are young as when of more mature age. When they are on the sow it was difficult to make them gain a pound a day. After weaning for two or three months they seldom made more than one and one-half pounds per day, but after, say, five or six months they gained well on two pounds per day. Thus it has been shown in several instances that between the ages of two and eight months pigs have made the

most rapid increase in weight. The experiments referred to were not made with a view to test this question but these results came out incidentally in a large number of tests. As a result of the casual manner in which these conclusions were reached, the relative cost of the gains cannot be given, but it is probable those made near the birth period were the least costly, owing to the small amount relatively of the food consumed. This is a great question. It ought to be further investigated. The experience referred to calls up the thought that it may be possible to market pork too young to bring the grower the greater profit, even when swine are sold as young as six or seven months, the popular age at which to sell. These results in swine growing, so different from those obtained in growing cattle and sheep, are well worth the clos-

TRAINING THE COLT.

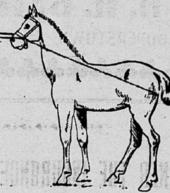
est study.

In These Days of Progress Young sters Are No Longer "Broken" with a Whip.

The young foal should be left entirely to its mother's care the first few hours. Do not molest the dam or foal by helping the colt to its feet at once, "trying to have it nurse," etc. By so doing you irritate the mare and exhaust the strength of the foal. The foal is as well and perhaps better off not to nurse for a couple of hours.

After a few hours the colt should be approached carefully, caressed, and given to understand you are a companion and friend, not an enemy. Give him a little sugar or salt from your hand and you will soon have him leave his mother and come to you across the yard or field.

If you have to work the mare, do not let the foal follow as he gets what is better, in company with another foal. He will soon become contented. As soon as he becomes acfeed box, and if in the stable with his | "+1



When three or four months old, put on a halter. Take about 40 feet of cord, double it, tie a knot in the doubled cord so that the loop will slip over the colt's rump or quarters but not up under the tail. Have the knot in the loop come about in front of saddle. Run ends of cord through each side of the ring of halter, stand in front of the colt and give a gentle pull. If he does not come readily, step a little to one side and pull tions need not boast of their white quick. You will throw him off his race. The Japanese will not consent guard and balance, and in 15 minutes you will have your colt educated to lead.

When older, coming two years old, hitch your colt on the off side of a gentle horse, for a few times, so he will learn to drive, and in meeting teams, electric cars, etc., he will have what he will consider the protection Allowing the pigs to sleep in the of the older horse. Then put him on near side, changing back and forth from one side to the other. Then some day, after a good drive, if your colt is spirited, put on the single harness and you will find a very near perfectly broken colt, safe to drive past electric cars, etc. We used to in your mouth they'll never live long break colts with a whip; now we edu-It is a heavy expense to keep un-productive sows from one breeding ment.—A. B. Donelson, in Farm and

Then the Trouble Home.

> A lack of bone and muscle forming traveling, rather than excessive fat.

HUMOROUS.

"What was it the shoemaker died of?" "I don't know, but I heard some one say he breathed his last."-Indianapolis News.

Mammon's Acrobatics.-"A financial crash, and poor fellow, he went under." And then she threw him over, I hear." Baltimore Herald.

"He says that his proudest boast is that he never forgets a kindness." "That's right. He never forgets one that he does you, and he won't let you forget it either."-Philadelphia Press.

Shrink It .- Mr. William Goat-"Oh ear me! I ate too much of that red annel undershirt I pulled off the clothesline this morning." Mrs. Nanny Goat-"Why don't you take a drink of water?"-Ohio State Journal.

Lady Di-"But if you are such martyr to gout, why don't you try the new Hygeia powders that are so extensively advertised? They did my husband a world of good." Decayed Millionaire-"Ah! But I am their wretched proprietor."-Punch.

Very Wily—"What makes you make your speeches so obscure?" "As a compliment to my audiences," answered the orator. "But they don't understand them." "No. But it flatters them to think I credit them with so much intelligence as to be able to."-Washington Star.

"It's a funny thing to me," soliloquized the one with the pole, "that in these days o' progress in invention somebody hain't got up a labor savin' device fer catchin' fish. Now, I s'pose that soon's I git asleep some fool fish'll grab that bail an' I'll have to wake up an' pull him out."-Indianapolis News.

A Pessimistic Wail .- "They say a cabinet ocer only has about \$1,000 the advantage of Ball-player Lajoie." "It's a shame ain't it, the way things are unevenly distributed in this world? Think of a cabinet officer, who couldn't tell a bunt from a home run, getting all of \$8,000 a year! What's this country coming to?"-Cleveland Plain

CHINAMAN ON THE RACES.

Says the White Is Ambitious to Excel as Compared with Red, Brown and Yellow.

The Mercury, an evening newspaper published at Shanghai, China, for \$30.00 per year payable quarterly in advance," and dated "3d Moon, 9th Day, 28th Year of H. I. M. Kuang Hsu," or Wednesday, April 16, 1902, contains an interesting article on the effects of the Anglo-Japanese treaty on eastern Asia, translated from a native Chinese paper, says the Seattle (Wash.) Post-Intelligencer. The article says:

"Civilization has advanced so much that we now know that all nations are derived from one common ancestor. The varieties of race have been produced by climate and location and religion. But the white race is ambitious for a paramount position over the red, brown, and yellow races. The tired and leg weary. Young colts latter races have no such desire to spend a great deal of time lying rule over the white. In fact, as the down. Shut him in a box stall, or white rises the other colors sink under them."

The writer sorrowfully admits that "the red, brown, and yellow races are its reference to a proper committee. customed to eating, give a little slow in advancing and cannot keep up ground oats and wheat bran in his to the white," and he asserts that ere are some foreigners who are ment should be built in a small bank dam, it is well to have a box separate not willing to make allowances for this seven days of creation to the effect that the other races, exclusive of the white, were merely transmogrified monkeys.'

He insists that "in the United States they have another sort of doctrine to the effect that man and birds are different. The colored people are the birds and man should use them as slaves and inferiors." And he declares "the Americans are to-day devising fresh exclusion bills against comes of the much-talked of international law? Oh, it does not apply to these matters, forsooth. But do not be surprised. That precious international law follows the power which is mightiest, and is modified accordingly to suit circumstances."

After much more of this discussion, amusing to us and earnest to him, he declares, "if China does not quickly reform, and is swallowed up by other nations, it will come true that the white race will actually rule the yellow race. If this disgrace is to be low race. If this disgrace is to be with wide open, wondering eyes. Did he averted it entirely depends on China bust, too?" she asked.—Washington Post. herself."

The author then directs the attention of his fellow-Chinese to Japan. "She," he says, "has rapidly advanced in civilization, so that she is able to stand up for her own rights against the white races. She boldly says that she also belongs to the white race. She says that there are red and yellow white races, to which class she belongs, and therefore the western na-

is waking up.

Example.

"You ought not to smoke right before the children, Henry," expostulated Mrs. Chinner. "Can't you see that you're setting them a very bad example?"

"Oh, that's all right, my dear," replied her husband, easily. "If they follow your example of carrying pins enough to be harmed by my exam-

Then the Trouble Began. She-But I would never marry a man who loved me for my good looks. He-Of course not, dear. I never thought of such a thing .- Stray Sto-

CROSSES SEA IN A BOILER.

How a Young Dalmatian Succeeded in Reaching America and Finds Friend After Arriving.

Stowaways often find odd hiding laces, but Bozo Gicano, a well-built, bright-looking young Dalmation, who came over on the Cunarder Umbria, discovered the queerest of them all. He got aboard the Umbria at Liverpool the day before the vessel sailed and crawled into the boiler of the donkey engine, which is used for distilling water when the regular supply runs short. His hiding place was known to some of the stokers, who fed him on coffee and scraps of bread, and he remained in his somewhat overheated quarters for three days, when he was discovered.

Nobody could understand Bozo's language, and upon the ship's arrival at New York he was taken to Ellis island. An immigration inspector is a Dalmatian, and one of the score or fewer in the city who speak the dialect. He found that Bozo had come here to seek a friend, Felix Gicano, and all that he knew about Felix was that he worked in a gashouse in the city. Commissioner Williams said that if Felix could be found he would release the boy. Fortune was with Bozo once more, and in less than an hour he had located his friend Felix among the little colony of Slavs.

INLAND TRAINING STATION.

Provision Made by Congress for Na val School Somewhere Along the Great Lakes,

Notwithstanding the determined fight made against providing for a naval training station on the great lakes, this legislation has been enacted, and as the naval appropriation bill went to the president, it contained an item making provision for a naval station in the west. The secretary of the navy is directed to appoint a board composed of naval officers, whose duty it shall be to select on the great lakes a suitable site for a naval training station.

Having selected a site, if it is located on private land, the board is directed to estimate the value and ascertain as nearly as practicable the price for which it can be purchased, and to make a detailed report to the secretary of the navy, who is directed to transmit the report to congress with recom-

In order to defray the expenses of the board an appropriation of \$5,000 is made. This amount becomes available immediately, and before the summer has ended the board will visit Chicago to look over the field.

OFFER TO ASTRONOMERS.

Michigan Professor Proposes to Enlighten Them on Certain Points at So Much Per Head.

A remarkable petition was received the other day at Washington from Prof. Theodore Munger, of Rochester, Mich., that attracted much attention among members of congress. It was addressed to Representative S. W. Smith, of Michigan, and he secured The petition states that Prof. Munger "knows and understands how nature turns the earth," and he agrees to explain it to the world provided he receives five cents from each astronomer in all nations who teach astronomy He understands that \$50,000 has been offered for "anyone who can determine why the gyroscope top makes

such peculiar moves." Prof. Munger, who announces that he has been a student of science for 50 years, guarantees to develop some entirely new principles, especially in explanation of the gyroscope top. "Kicks against this petition will be considered a hindrance to the cause Japanese. In view of all this, what be-

Concerning Busts.

Some school children were being shown through the capitol the other day and visited, among other places, the vice president's room. Mr. White, the handsome young clerk of Senator Frye, undertook to play

guide for the youngsters.

"Here," said he, "is the bust of George Washington, the first president of the United States. He is dead, now, you know. And here is the bust of Jefferson. He's dead, too. And this is Henry Wilson, one of the vice presidents. He died in this room." A little girl looked up at Mr. White

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A New Bug. Brooklyn advertises a "reliable bug ex-terminator," which may be of use to any one who wants to exterminate reliable bugs.—Boston Globe.

Homeseekers' Tickets to the West.

race. The Japanese will not consent to be under their feet. Hence the white race praise her with a certain undertone of jealousy."

Such outpourings prove that the lives lost during the Boxer outbreak were not sacrificed in vain; that China is waking up.

Homeseekers Thekets to the west, at the lowest and buy excursion tickets via the Great Northern Railway to points in Manitoba, Montana, Washington and the West, at about one fare for the round trip, on first and third Tuesdays of July, August, September and October.

Tickets and information from all railway ticket agents, or F. I. Whitney, G. P. & T. A., St. Paul, Minn.

Delightful Eastern Trips. The Lake Shore & Michigan Southern Ry. has just issued a new summer book, "Lake Shore Tours," showing a selected list of eastern resorts, with routes and rates. Copy will be sent on application to C. F. Daly, Chief A. G. P. A., Chicago.

Homeseekers' Excursions. Great Northern Railway sells homeseekers' tickets, St. Paul or Minneapolis, to all points West, including Montana and Wash-ington, on the first and third Tuesdays of July, August, September and October, 1902. Rate, one fare for the round trip.

CURRENT TOPICS.

The Dismal swamps are alive with

England's budget deficit will reach South Carolina has 30,000 operatives

in cotton mills. Some New York restaurants now

have "smoking rooms for ladies." No less than 185 species of butterflies are found in Mexico and Central

Electricity has increased the power of sea coast lights to that of 3,000. 000 candles

The average wages of women in France are only about one-third those of the men. Before a Chinaman can quit Austra-

his he is compelled to register and leave his photograph. The Chicago ministers are going to begin a crusade against the slaughter

of pigeons in trap shooting. The freight charges for hauling anthracite coal from Pennsylvania mines aggregates \$40,000,000 a year.

Three-fourths of the earth's surface can not be cultivated, owing to mountain ranges, swamps and barren fields. Genoa, Venice and the Papal states were the first countries to establish national debts. That was in the 15th

century. Venezuelan coffee planters get only one-third the price they used to before Brazilian overproduction ruined the market

The prince of Wales' private study at Sandringham is one of the smallest rooms in the palace, and is lighted only by a single window.

After a two years' test of an automobile for army use in Austria there was a saving of \$2,915 over the conveyance drawn by horses.

Secretary Long has directed that hereafter an explanatory note shall be inserted in the naval register indicating the fact that Rear Admiral Melville is carried as an additional number in grade by reason of his meritorious services in the Arctic regions.

Electricity has infringed on the sphere of Indian coolie labor. It is made to work the punkahs with much better effect than the coolies do or can. The question that troubles the Indian government is what is to become of the natives who are incapable of any other work.

THE LITTLE CYCLOPEDIA.

An average-sized pineapple yields nearly two pints of juice.

Weather forecasts have been pub lished in London dailies since 1879. Eighty thousand people live within the danger radius of Mount Vesuvius.

Elephants killed 36 persons in India last year out of 22,393 killed by wild beasts.

There are 17,000 statutes in British statute law. Thirty volumes are yearly added to the Law Reports. There were last year 17,500 immi-

grants into Canada from the United States, as against 12,000 from Brit-The Canadian government has ap-

propriated \$10,000 to build a barbed wire fence along the boundary between Montana and the Dominion from St

SAVED THE BABY.

New Providence, Iowa, July 7th.— Little Helen Moon, the three-year-old daughter of Mr. and Mrs. E. V. Moon, of this place, had a narrow escape from death.

Her mother noticed she seemed to be very clumsy and complained when she was rocked. Her limbs and face

were bloated badly. A doctor was summoned but she got no better. He said she had-Kidney Trouble in the worst form.

Two other doctors were called in and they agreed that there was very little, if any, hope. She was bloated all over, her eyes being completely closed and her abdomen bloated un-

til it was purple. They bought six boxes of Dodd's Kidney Pills and she commenced to improve at once. She had used nine boxes before the Dropsy was all gone. The treatment was continued and now she is as well as ever.

Dodd's Kidney Pills certainly saved the little one's life.



Makes water do the work. Remo tarnish without labor. Cleans of polishes SILVENWARE, CUT GL/ NICKEL, TIN, and ALL MET/ Gives lasting, brilliant lustre. Salutaly sugranted not to mar SALT

SPECIAL SEA SHORE HYDU

From Chicago July 17th. \$18.00 for the round trip to Atlantic City, Cape May, Ocean City, and Sea Isle City. Stopovers allowed at Niagara Falls, at Westfield and Sandusky, for side trips to Chautaugus and Put-in-Bay. Tickets good via boat between Cleveland and Buffalo if desired. Full information at City Ticket Office, 180 Clark St., or by, addressing C. F. Daly, Chief A. G. P. A., Chicago.

Bill—"You look bad, Jim. Been laid up?" Jim—"To-day's the first time out of doors for three months." Bill—"What was the matter with you?" Jim—"Nothin'. But the magistrate wouldn't believe it."—London Tit-Bits.

Round Trip Homeseckers' Excursion

Round Trip Hemeseekers' Excursions to the West.

The Great Northern Railway sells homeseekers' tickets to Manitoba, Montana, Washington and all points in the West, on first and third Tuesdays of July, August, September and October, at rate of about one fare for the round trip. Information from all ticket agents, or F. I. Whitney, G. P. & T. A., St. Paul, Minn.

A little knowledge is only dangerous when one is contented with it.—Bam's Horn.

Piso's Cure for Consumption is an infalli-le medicine for coughs and colds.—N. W. ole medicine for coughs and colds.—N. V. Samuel, Ocean Grove, N. J., Feb. 17, 1900.

Look out for the man that let's you do all the talking.—Atchison Globe. Stops the Cough and works off the cold. Laxative Bromo Quinine Tablets. Price 25 cents.

Character is the best commercial asset in the world.—Ram's Horn.

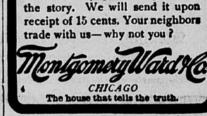


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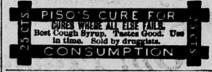
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