

### First Prize Clydesdale Stallion.

arrives on time.

unerringly as the elephant.

of his own volition?

will at three or four.

What do you think of the man whom | The well-bred draft horse is always you see driving a horse with his tail in demand, and the farmer who breeds docked to seven inches, perfectly help- it constantly in the one who makes less against the attack of flies during the most profit in horses. these hot days?

There is a great deal of humanity speed, but he keeps going, and usually in axle grease.

Have you ever noticed that the first thing your horse does when you turn frightened at anything. When he him out of the stable in the morning runs away he does it through pure Is to go straight to the watering love of mischief. trough?

Contrary to the general belief, it does not hurt a horse to give him water in moderate quantities even when he is very hot, providing the water is not very cold.

Never salt the horse's feed in the can. box. Place a big lump where he can reach it and he will take it when he work at two years old as the horse aeeds it.

The long halter strap in the stall Never tie a mule up in a stall overhas been the cause of permanent in- night. The open field for him always. jury to many animals.

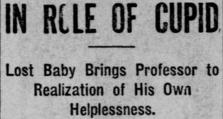
A "cheap" harness is really about high as \$400 per pair for American the most expensive thing on the farm, mules to send to the Argentine Reas it sometimes costs life. public.

periment Station Gives Re-

sults of Test.

**TO FATTEN PIGS** 

**VALUE OF POTATO** 



By GEORGE MUNSON. "I don't know what can be the mat ter with me, Miss Johnson," said Pro- placidly, without the least effort, and tessor Barry to his housekeeper as she perfectly coel and collected, Miss Johnhanded him his morning coffee. "I think I must be growing old."

"O, come, professor, you old at fortyfive!" replied Miss Johnson, laughing.

'What you want is to get married." "Get married," repeated the professor absently, as though the idea had never occurred to him. "Why, who liceman dubiously. would want to marry an old fogy like me?"

"Some might," retorted Miss Johnson, tossing her head, and for the first know your own child?" time the professor wondered why Miss Johnson, with her strong, capable hands and warm heart had never mar. not Miss Johnson deftly caught it. "It ried.

Miss Johnson came every day to attend to the professor's needs. He was and why isn't she here?" instructor in Latin at the college; ty, but she was a universal favorite, and murmuring over it. and she was treated as a social equal

by everybody in spite of the menial with the saleswoman, Frank, and she work she did. Miss Johnson might gave her to the wrong woman. Thank have been thirty-five. The patient mule is not much for

"If ever I got married," mused the A mule never seems to be really A mule scents danger almost as cook and fond of children, always lady."

good-tempered and-why, bless me." Ever know a mule to step in a hole. He blushed as he hurried along the or venture upon an unsound bridge to him that he was describing Miss No white man can ever get on as Johnson.

good terms with a mule as the negro "But I didn't mean anything, I assure you," he explained absently to The average mule will do as much himself. "Please don't mention it," said a

pleasant female voice in his ear. and



mental picture of imprisonment proved overwhelming. He saw himself disgraced, expelled from the society of Lost Baby Brings Professor to his freinds, thrown out of the college. "Oh, for five minutes of Miss Johnson!'

> "Tell that to the judge. Are you coming quietly, or-"

> the policeman. "You're coming with

me. It's going to be a cell for you." "But a woman gave it to me," plead-

ed Professor Barry dismally. The

Suddenly the crowd parted, as waves are cut by a keel, and then, quietly, son appeared at the policeman's side. "It's all right," she said, smiling. "Just a mistake, Frank. This is Pro-

fessor Barry of whom I have often told vou.'

"Then what's he doing with a strange baby, miss?" inquired the po-

"Why, you foolish man, it isn't a strange baby, it's your baby," said Miss Johnson, smiling. "Don't you

"My Bessie!" exclaimed the policeman, and would have dropped it had must be. I remember them shoes. How did he get it? Where's my Polly

As he looked round helplessly a Miss Elizabeth Johnson was the young woman struggled through the daughter of a fellow professor who had crowd and snatched the child hystericdied impoverished. She was not pret- ally from Miss Johnson's arms, kissing

"My baby," she cried. "I left her God I've found her."

"There you see the explanation," professor, as he wandered in the di- said Miss Johnson. "The woman rection of the town, "I should want a couldn't resist taking her, and then wife with light brown hair, blue eyes, she was afraid to restore her, so she 2 pleasant but not necessarily beauti- gave her to Professor Barry because tul face, and of a stature five feet four he looked absent-minded. Professor, or five feet six. She should be a good Frank Hitchins is the son of my land-

Profesor Barry, too stupefied to answer, suffered himself to be led away street, for it had suddenly occurred through the dissolving crowd and half and hour later Miss Johnson deposited him at the door of his house.

> "Now I guess you can take care of yourself, professor," she said smiling. The professor's arms went up just as the baby's had done, and he caught

Miss Johnson by the sleeve. "No, I can't," he said. "I want

somebody to take care of me for life. That's what is the matter with me. I want you, Miss Johnson-I mean Elizabeth. Will you?"

Miss Johnson signified that sha would. (Copyright, 1913, by W. G. Chapman.)

TIGER FAILED IN HIS PART

outhful Hypnotist Might Have Succeeded, but Savage Brute Refused to Lend Aid.

"Jack the Lion Tamer," a ten-yearold boy who got the notion that he could subdue the wildest of wild white spotted muslin. The bodice has in this, there will be scraggy lines or beasts by looking them in the eye, had a narrow escape from serious ina square yoke of lace insertion to jury in the Central park menagerie at New York when he tried to hypnotize

Dick, the savage Siberian tiger. Dick was lying near the iron bars of the outer cage when the young lion tamer came along. The boy had been caught pulling a lion's tail several



These ultra-mannish vests are the very newest in French fashions for fall wear, but even the split skirt and the one-piece bathing suit have not prepared man to accept with equanimity this further usurpation of his cos-

# DAINTY AND USEFUL DRESSES EYEBROWS NEED CARE

Range of Fashion.

The model on the left shows a useful little dress in a soft shade of blue. The skirt is laid in flat plaits turn-

ing from the front. The bodice wraps over a little to left side; it is fastened by press studs and ornamented with fancy buttons and braid loops. The pect to enjoy this feature at its best collar, cuffs and waist-band are in blue and white checked cotton.

Materials required: 214 yards 40 hair to grow in perfection were they inches wide, 1/2 yard check 26 inches not taken care of, and the same applies wide, 3 buttons, Beside this is a dainty dress of ing and shaping frequently. Failing



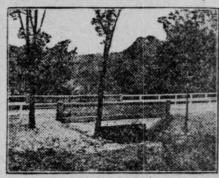


FOR CULVEPTS AND BRIDGES

Steel and Concrete Combined Constitute Form of Construction Economical and Durable.

(By C. H. MOORFIELD.) A combination of steel and concrete made in such a manner that each material will be required to withstand the character of stress for which it is best adapted-that is, tension for steel and compression for concrete-constitute a form of construction for short bridges and culverts both economical and durable. The advantages of the two materials are combined and their disadvantages in a large degree eliminated.

This form of construction, on account of its economy and simplicity, is especially well suited to highway culverts and short span bridges, when for any reason it is desirable that their superstructures be kept flat. In the case of arch culverts and bridges built



Reinforced Concrete Culvert on a Massachusetts State Road.

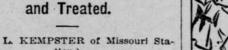
of concrete the economy of introducing steel is not always evident and should be demonstrated in any particular case before it is decided that the arch must be reinforced.

The conditions to be met in the construction of reinforced concrete culverts make it desirable, from a standpoint of economy, that a relatively high grade of concrete be used. Any decrease in the strength of the concrete necessitates a coresponding increase in some dimension of the members, and thereby adds to the dead load which the structure must sustain.

Reinforcing bars should be made from steel having a safe strength of not less than 16,000 pounds per square inch, and should possess sufficient malleability to be readily bent into the desired shapes while cold. When placed in concrete they should be free from rust, grease or foreign materials of any kind, otherwise a perfect bond parently good hair, teeth and complexbetween the bars and the concrete will ion entirely unmindful of the fact that not be obtained. the eyebrows were sticking out in all

Designers of high drainage structures are urged not only to investigate the safety and dura bility of proposed designs, but to consider their esthetic features as well. When bridges and culverts are to be constructed of permanent materials. such as reinforced concrete, the designer should bear constantly in mind the fact that any esthetic defects which may be present in such structures will become more and more apparent as the community develops. For example, a highway bridge, the defects of which are hardly noticeable when the highway on each side is bordered by dilapidated fences and buildings may become a veritable eyesore





tion.) An experiment to test the feeding Gapes is a disease affecting certain value of raw or steamed potatoes as birds, fowls, and particularly chicks supplementary feed with a grain ra- one to four weeks old. It is caused tion has been carried on with inter- by a small worm, called the gape worm, which attaches itself to the The hogs in the experiment were dipe of its victin windn The symptoms are frequent gaping. the different feed given each and the sneezing, a whistling cough, with disproportionate gains made were kept charge of mucus and worms, dumpcarefully. Each hog in lots 1 and 2 ishness, weakness and drooping of ate an average of 170.18 pounds of wings. Dead birds will show forked barley and 509.53 pounds of raw po- worms attached to the windpipe. The adult female gape worm is 60.70 pounds. Those in lots 3 and 4 much larger than the male, her body being filled with eggs and embryos. 663.75 pounds steamed potatoes, and These embryos appear in the droppings or are coughed up. So the those in lots 5 and 6 ate 188.60 trouble is spread by contamination of runs, feed and drinking water. steamed potatoes and made a gain of Embryos are often found in earth-To eradicate the disease, isolate affected birds, treat drinking water with potassium permangnate: burn dead birds, and remove chicks to fresh ground which is not infected. Cultivation of infected ground is

(By ROBERT WITHYCOMB of Eastern Oregon Experiment Station.) (By H. L. KEMPSTER of Missouri Sta-

# Nothing Prettier for the Small Girl Has Been Evolved in the Season's

vided into eight lots and records of tatoes, making a gain in weight of ate 110.30 pounds of , barley and made a gain of 70.60 pounds, while pounds barley and 564.80 pounds 78.10 pounds. Lots 7 and 8 ate 300.10 worms. pounds barley without potatoes and made a gain of 69.5 pounds.

esting results.

The last two lots, fed barley alone, were used as a check on the others to show more definitely the proportionate value of the potatoes. At the present market value of 7 cents a said to eradicate the worms in three pound live weight, the hogs fed barley | years, made a \$3.87 gain, which makes the barley feeding value \$1.62 to the hundred.

Lots 1 and 2 fed barley and raw potatoes at the rate of three pounds lime on the floor. The lime is said to of potatoes to a pound of barley, made a \$4.25 gain, which gives the raw potatoes a feeding value of 29 cents to the hundred. Lots 3 and 4 receiving six times as much steamed potatoes as barley, made a \$4.94 gain, giving the steamed potatoes a feeding value of 47 cents to the hundred. Lots 5 and 6 fed three times as much steamed potatoes as barley, made a \$5.47 gain, making the feeding value of the potatoes 42 cents to the hundred.

It is noticeable that those fed six times as much potatoes as grain did not make quite the gain made by the TUBEROSES ARE NOT others, but it required 85.25 pounds less barley to make this gain, so the difference in feeding value is accounted for.

It is also noteworthy that the steam Good, Rich Soil Is Necessary for notatoes are worth 13 cents more to the hundred than raw for feeding, as shown in the comparison of the gain of animals fed the 3-to-1 ration.

# Ducks Are Hardy.

do not have the gapes. The weakest | ly and ship any distance without inpart of a duck is its legs. Indigestion jury. Bulbs also sell well. Sort them is apt to show itself in the young if into three sizes and make the price the coarse sand is omitted in the food. accordingly. Plant in a sandy soil It is always best to put a handful of about five inches deep. sand in a pail of mash food, mixing it A space in the back yard, a yard thoroughly. This will aid digestion. wide and two yards long, will produce The oily nature of the feathers makes a dozen fine stalks that will provide the ducklings vermin proof. Expos- hundreds of flowers. Keep the plant ure to hot suns is fatal. There should moist at all times to secure choice always be a partial shade to the runs. flowers.

#### Yearling Hens.

Do not be in a hurry to sell off the prices in the hatching season. But good yearling hens. At these prices of grain and eggs, it will pay to keep which do not soon respond to stimuthem another season if there is room lating feed by frequent visits to the without overcrowding the young stock. | nest. A few bags of meat scraps will make them shell out liberally until snow flies, and in the spring they will begin again and lay then almost as well as from those of your neighbors, becom the pullets. Even the two-year-olds ing skillful in its management, proof known laying qualities should more ducing a fine and desirable article, than pay their way another year, es- and finding a home market for it pecially if they are pure bred, and if with little competition

Individual cases may be treated in one of three ways:

By confining the chick for a short lost to view almost immediately. time in a box which has air-slaked did," suggested the professor to himcause the worm to release its grip, self, but there was no answer forthand the chick to sneeze it out. coming. It must have been something

Stripping a feather, leaving a small tuft, moistening with turpentine and introducing into the windpipe, care being taken not to lacerate the windpipe or suffocate the chick. Two horse hairs tied together, the

knot trimmed, run down the chicken's throat, and removing in a twistprofessor, dandling the infant. "Go to ing manner, will also remove the Mother will come by and by." worms. Gape worm extractors are also on the market. Apparently this prospect did not act

little crowd had formed around the **DIFFICULT TO GROW** 

These Handsome Flowers-They Sell Well.

These handsome stalk flowers are easily grown. Good, rich soil is nec-Ducks, as a rule, are hardy. They essary. The flowers always sell readi-

their eggs can be sold for special

watch the flock and weed out the ones

Special Cron.



a baby.

his arms.

from it.

"It Isn't His."

everything will come out all right."

And she thrust a blinking bundle into

Professor Barry had never held a

paby in his life and would have indig-

nantly declined, but his arms went out

instinctively, and a moment later he

while the mother disappeared into the

midst of the shopping crowd and was

"Now I wonder what it was that I

dreadful to have merited this penalty.

The bundle was becoming uncommon

ly heavy, and, what was worse, the lit-

"Hush, hush, baby," implored the

as a soothing incentive for the baby

began to howl louder than ever. A

professor and was regarding him with

times this summer and had been warned of the danger. He got inside the railing, approach-

ing the tiger's cage, and put a hand and arm between the bars. Then he called to Dick as he would to a dog, while looking him in the eyes.

The big tiger hasn't lost any of his the professor started in surprise, to savage nature since arriving at the see that he was looking into the face park, and when he saw the arm in of a comely young woman who carried his cage his muscles stiffened for action. His ears went back and his lips curled. A group of men stood "I assure you no harm has been done," she said. "So if you will kindly near, but no one warned the boy of hold my little girl while I look for it, his peril.

The lad thought he had the beast subdued and was bringing his hand closer and closer. Keeper George Sichert happened to go outside and. seeing the situation, grabbed the boy by the collar and pulled him back just as the tiger leaped toward the boy's found himself holding the bundle, hand.

> One of Dick's claws tore the boy's index finger. The keeper gave him a lecture and expelled him from the menagerie.

# Why Poison Ivy Is Poisonous.

Poison ivy has long been a myster both to scientists and lavmen: why and in what manner it causes the peculiar rash and irritating inflammation tle face suddenly screwed up and a have puzzled both botanists and phywail of extraordinary intensity came sicians. At last the reason has been discovered. Doctor Mirande of Paris read to the academy of sciences in that city recently the result of his sleep like a good boy-I mean girl study of the poisonous weed.

Poison ivy contains prussic acid This is found principally in the young leaves and buds; in older leaves there is very little of it.

In three and one-half ounces of young leaves there is about a quarter manifest interest. A small boy jeered of a grain of the acid. As in other plants in which prussic

acid is found, the poisonous substance does not exist in its perfect form, but developes as soon as the leaves are bruised, a chemical action being set with a shopping face, who stood near up through the union of an enzyme with a glucosid.

# Got Even With Her.

# A few days ago two young ladies entered a trolley car and found only standing room. lar child-stealer," somebody yelled,

"I'm going to get a seat," said one and those on the outskirts of the to her companion. "Now, you see!" crowd set up a yell of rage and surged Selecting a sedate-looking gentleforward toward the victim, while those man, she walked up to him. nearest him, who understood the con-

"My dear Mr. Green," she exclaim "How delighted I am to met you! You are almost a stranger. Will I accept your seat? Well, I do feel tired, I admit. Thank you so much." The man rose. "Sit down, Jane, my

girl," said he, as he courteously pointed to the vacant seat. "I don't often see you out on a washing day. You must feel tired. I'm sure. How's your mistress?"-National Monthly.

Catching the Pose. "I guess that boy Josh o' mine will make a reg'lar golf player one o' these days."

"Has he taken up the game?" "Not yet. But I've watched him at work an' I've noticed that whenever 'specially interested in somethin' he jes' naturally stands pigeon



which the muslin is gathered. The sleeve is set into armhole with very match yoke, so are the waist-band and the hem.

Materials required: 21/2 yards muslin 36 inches wide, about 3¼ yards yards of narrow for waist-band.

#### Hallroom Library.

One woman has converted a hallroom into the daintiest of tiny libraries. On one side is a set shelves for books. The walls are covered with blue damask of very delicate shade. The ceiling is blue, with a conventional pattern of white trailing vines drooping gracefully down to half-length. The rug is delft blue, and the room contains one chair upholstered in delft-blue brocade. A small mahogany table holds a telephone and a blue and brass writing outfit. A small lamp hangs from the center of the ceiling, and it has a blue and rose glass shade with crystal pendants. When lighted, it throws a beautiful glow over the little reading room.

# Bright Buttons.

Buttons come in solid colors, in brilliant reds, blues, vivid greens and yellows, with novelty tones such as terra cotta, flame and reds of the Pompeiian order. The tones are sometimes softened by a tracing of dull gold in Chinese or Japanese characters. This tracing is sometimes in black. The result is so good as to indicate a great vogue for these buttons.

Galalith copies of the striped china buttons which have been so fashionable this summer are being brought out for fall, and have already been heavily ordered.

A continuation of the vogue of the button in one color, showing circles in a bright shade, may be expected.

# For Tight Shoes.

Summer is the season above others when one's shoes seem to hurt, of water to a quarter ounce of orris and this year one looks in horror at root. When dry iron carefully and the rows of patent leather ones that are brought out in the exclusive shops, retain a delicate violet odor. but true, these may be worn with com fort if one will shake a little powdered alum into the toe of her shoe before going out. Do not put it inside the stocking, merely inside the shoe.

directions. A woman is greatly repaid for the few seconds she spends when her toilet is complete in shaping her eyebrows by the improvement in her general appearance.

Add So Much to the General

Charm That No Woman Can

Afford to Neglect Them.

It is an acknowledged fact that pret-

ty brows add much to the general

charm, and it is odd that women ex-

when they do not take care of it. They

would not expect either teeth, nails or

to the eyebrows. They need massag-

coarse, projecting hairs, the latter one

of the most conspicuous disfigurements

I have often noticed women with ap-

a woman can have.

The correct shape of a pretty eyebrow should be like a swallow's wing. and to give them the broad, yet curved effect, begin at the end nearest the nose, stroke, as if the brows are inclined to be too broad, pinch together with the thumb and fingers in a straight line to the place where the natural curve starts. At that point there should be a downward stroke that will point the hairs in the right direction.

Some eyes are enhanced by a broad line, while others look better with a delicately penciled effect of the eyebrow; this, of course, depends upon the shape and contour of the face. So that in getting this straight line slight fulness, the cuffs are of lace to over the eyes an effect of width most becoming to the face is given, while the band that trims the skirt above the downward line finishes off in all cases to a tapering point.

For massaging where the encouragement of a growth of hair is dewide insertion and rather under a sired, I very much like vaseline because so much of the crude and natural properties has not been extracted from it as is done in the refining process of other creams, but for those who do not care for it the following may be used instead and will promote the of growth of both brows and lashes. One-half ounce of oil of sweet al monds, 12 drops each of oil of rosemary and oil of nutmeg, and a quarter of an ounce of tincture of canthardies. These ingredients, being all liquid, are easily mixed, and a two or three ounce bottle is large enough. Shake well, and it is ready for use. If the brows are naturally thin and it is desired to improve the growth. a quinine tonic may be necessary, and for this I find that two ounces of alcohol mixed with ten grains of sulphate of quinine and massaged once a day into the roots makes a decided improvement.

> No matter from what cause the brows become thinned, never cut them with the idea that it will improve the growth. Good and faithful massage is the only thing that will help. Cutting will only coarsen them and they may become stiff and bristly after being cut. However, the eyelashes may have an infinitesimal portion clipped from each one about every three or four months. This must be done very carefully and when the clipping is finished anoint the base of the lashes with a very minute portion of cafeput oil, putting it on with a fine camel'shair brush.

# Kerchief Scent.

To perfume handkerchiefs break up quarter of an ounce of orris root and tie up in a piece of muslin. Boil with the handkerchief for a quarter all of an hour, using about three pints

you will find your handkerchiefs will

# Children's Dresses.

Thin white cotton crepe with inserts o' baby Irish lace medallions is a combination for children's dainty dresses



### Concrete Arch Bridge In the District of Columbia.

if these features of the landscape are sufficiently improved. A design may be in excellent taste, however, and yet be almost totally devoid of ornamentation. A few simple panels and copings are usually sufficient to lend an attractive appearance to masonry bridges, provided the planes of the wing walls, parapets, etc., are in proper relation to each other and to the roadway.

### Earth Roads Cheap.

The earth road will doubtless be used in rural communities for many years, because of its low first cost The ever-recurring problem of upkeep on such a road can be solved very largely by the use of the split-log drag.

#### Money Wasted.

It is money wasted to spend it for dragging a road that is not piked enough so there is a ditch on either side of the roadway. Better grade first, then keep the grade up by dragging afterwards.

#### **Guard Against Weevils.**

All weeds and rubbish should be cleared away from alfalfa fields. ditches and fence rows so there will be no opportunity for weevils to find winter shelter.

# Not Good for Potatoes.

Lime-sulphur is not a desirable spray for potatoes. You will injure your potatoes by applying the lime sulphur sprav.

Indication of Weakness. Excessive sweating indicates weak ness, and hot weather is hard on a weak horse.

Working Team of Colts. Never work a team of colts together until they have been thoroughly broken, as they will worry each other

ditions of the case, not wishing to take part in the impending riot, quickly disappeared, leaving the professor at the ercy of the hostile mob. Happily at this juncture a policeman came pushing through the crowd. "What's all this?" he demanded.

"Hey, there. Whose child is that?" "It belongs to a woman," stammered Professor Barry. "I don't know her." "He's stolen it," shrieked an irate lady as she broke her umbrella upon

the professor's hat, "Gimme the child." said the police Try to raise some crop different man, taking the screaming and fright-

ened baby from the professor's arms. "Certainly," said the professor cordially, divesting himself of his bur den happily and turning to dodge out of the crowd. "Hey, where are you going?" cried

"Ah, take him home," suggested ribald spectator. "Where did you get it ?" "It isn't his," exclaimed a woman

at him.

the speaker. "He's stolen it," suggested another

