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ter work e animal, kept in as much with it

water is

the horse to always drink before feeding him. By so doing we oftentimes prevent him from bolting his food, and bringing on an attack of indigestion. Priced in the trough, should be well sifted, in order that mails or small pieces of stone may be sadily detected. Small stones and nails, be it well remembered, very frequently nstitute the unclei around which calcare somstitute the uncentround which calcar-ous depositions accumulate, which form the various kinds of calculi found in the alimentary canal. Nails and other sub-stances are often taken into the body through the mouth, and finally find their way through the muscular coats of the instines into the various organs of the An anecdote is related of a gentle man who swallowed a penknife, which re-mained in his body for nine months, at the end of which time he complained of pains in his shoulder, where an abscess formed, pointed, and from it the above mentioned knife was extricated. The folwing came under our observation : A hild, aged three years, swallowed a nee-le, three months after which an abscess med on the thigh, and the needle was moved from it.

Ventilation is necessary as a means for Ventilation is necessary as a means for the removal of gases rendered impure, and therefore unfit for respiration. A current of air should be admitted through a gratof air should be admitted through a grati-ing near the ground, and so contrived as not to blow upon the horse. An aperture hould be made in the roof, over which a chimney, provided with a weather fend hould be placed, so that a current of foul saess may be continually escaping, and its

sees may be continually escaping, and its sentrance (often carried by gusts of find), frustrated by the weather fend. The temperature of a stable should be bout 60 degrees F. We shall again, on ome future occasion, consider this sub-set. The above, however, together with snerous food, exercise and good groom-ag, constitute the chief hygienic measures secessary to be adopted to keep a horse health.—Charles R. Wood, V.S., in Survivan Cultivitate. merican Cultivator.

HACKNEY AND COACH.

Is it Advisable to inbred the Trotter with Them.

In the slight depression of business hich is at present upon us (not very avily, by the way, if we stop and con-der the maximum of trade, and how about every industry is starting up), the horse breeder throws up both hands and exclaims, "the bottom is out," there is no sale for trotters—hackney and coaching horses are in demand and we must breed them; we will serve our trotting bred mares and fillies to hackneys and achers and make money out of the miness yet. There is a large demand day, for both of these kinds of horses. day, for both of these kinds of horses, e can see a profit in raising them, just we can see one in the production of a ge, fine steer. It is a question of the aduction of a fine animal, at an expense

of grass, hay, grain and care.

To begin with, it will be necessary to have the animals to breed from. If backneys are required, take stallions and marcs of this kind—and the same can be said of coaching horses. But the farmer says, "I cannot exchange my trotting mares and fillies for hackney and coaching es. I will breed them to a coaching Nos. 1 will breed them to a coaching llion, and I will get a large-sized, ty-stationed, high-stepping colt, and a sell him for a good price." What that has he to assume this? Why, the that the coacher has been bred to a se so long that it follows that the foal

three or four times during the day by the groom. Nature prompts the horse when do drink, and when the promptingsoccur, in this respect should be satisfied, when this it a good plan to accustom the horse to always drink before feeding little mare, with long rumps, which kind, no particular breeding; as to indi-viduality—simply a common looking, little mare, with long rumps, which narrow down to a point, small breasted and low headed. There is no beauty or style to her, she is simply a daughter of Gideon, a well-bred horse, and really a good sire, with so much of old Messen-tistic than the state of the control of the second control of the second of the control with the second of the second of the second with the second of the second of the second with the second of the second of the second of the winthrow Messeners' to the daughters of Winthrop Messenger's grandsons, and when those sons and daughters were bred

when those sons and daughters were bred in potent lines, he did.

This mare we speak of had a dam which had no particular individuality. Her breeder thought Gideon could supply what the dam lacked. So he did; she what the dam needed. So he dat, she lacked temper and he gave it to the foal. The man who owned her thought he could see a bonanza ahead for him, and

he bred for it.

Standing in the State of Maine, at one time, was another sor. of Tom Rolfe. He was a handsome horse, well bred, and partook of the form of his Morgan bred dams. The owner of the mare by Gideon revolves this all over, he sees nearly paral-lel blood lines and, of course, a Nelson. lel blood lines and, of course, a Netson. The foal arrives, he cares for it in the usual way that ordinary farmers and breeders do, thinking it will grow if he does not feed it, but he never forgets to ask a Nelson price. For the sake of this horse, Tom Rolfe, Jr., and Gildeon, we are going to say that this food grew into a pretty little cob horse, which might, by some little trevisions. have trotted in 9.760. some little training, have trotted in 2.50, but never did, and the owner, after he had pinched it in its youth, and frightened buyers away, was forced to sell it for about the same price one would get for a Western scrub. The man bred for a trotter and got a cob or small hackney. If he should take such a mare and breed for a hackney or coaching horse, he might get one, or a scrub; he would have no

To take trotting bred mares which have a short and unknown side to their breed-ing, and try and breed a coaching horse from them is hazardous, unless they have from them and type. Then it may be done to a profit. Take, for example, a trotting mare with good size and a coaching horse mare with good size and a concining tense form, possessing individuality. The question is this: is it as well to cross breeds as it would be to serve her to a noble trotting stallion of large size, solid noble trotting stallion of large size, solid color and good action. Say such a horse as Haldane, 2.274, which died recently in Meriden. Conn., or Falcon. Jr., owned by Sam Hodgson, of Meredith, or Odd-mark, son of Nelson, owned by John P. Wheeldon, of Bangor, Me. We can add another—Royal Ben, a grand inbred Morgan, owned by Col. J. A. Harwood, of Littleton, this State. Royal Ben is a son of Ben Franklin, and we have no doubt but that Mr. H. T. Cutts, of Onwell, Vt., could point to a son of Ben upwell. Vt. could point to a son of Ben upwell. well, Vt., could point to a son of Ben up there in Vermont, which sires up-headed, high-stepping, coaching horses.

By breeding such a mare as we describe, which must possess a type com-mon to such horses as we have mentioned are there not several chances to sell their produce to a profit, assuming they inherit the form of their parents: first, a car-riage or driving horse; second, an elegant, fast trutter; third, a slower horse, but well formed and suitable for coaching purposes ; fourth, a very fast horse which purposes; fourth, a very rast norse which has inherited speed but not beauty; fifth, a large homely but rugged horse, suitable for business uses. The last condition will be the least profitable, and would be about the only failure, barring deformity or accident.

Size is an important factor in the that the coacher has been bred to a be so long that it follows that the foal sits be born to the likeness of its sire. It is a fallacy, and is as great as this: I from small marse For these reasons we would, as a rule, breed trotting bred ani-mals together. looking at their individual merits, and if these were not good enough to breed to one of its kind, then certainly it would not be to cross with some other, unless the chief object were

some other, unless the chief object were to keep alive the race of mongrels. As a rule, small, undersized, picket-rumped, cat-hamed, small-waisted, nar-row-breasted, low-headed trotting mares row-presented, now-needed trotting marce cannot be improved much by breeding them to anything but jacks, and then there is a stop, "outraged nature," as Josh Billings says, "refuses to breed farther."—Trainer in Spirit of The Hub.

"MUD" HORSESHOES.

We doubt if very many persons ever saw mud shoes for horses. They are used on horses in plowing the low and wet lands of the valley north of Sunner, nearly every spring, says a Sumner (Wash.)

exchange.

The mud shoe consists of a heavy board about eighteen inches wide and from eig to ten inches long, rounding in front. On this board a red-hot shoe of the size worn on the horse's foot for which it is intended is placed until it burns into it to a depth almost sufficient to bury itself. It is necessary that the shoe have a long too and long corks. A piece of circular band iron to fit over the top part of the hoof is then attached to the board and over the hoof, to hold the mud shoe solidly to the One end of the band is fastened to the board with a screw, which, when tightened holds the board as squarely to tightened holds the board as squarely to the bottom of the hoof as if it had grown there. The horses become accustomed to wearing them, and after a day or two experience no difficulty in working in them. By this means farmers are en-abled to plow land in the spring where, without the use of the mud shoes, horses without the use of the mud shoes, horses had considerable experience last spring in thus equipping teams for plowing the low-

ALL ROUND SPORT.

An Adelaide schoolboy, sixteen years of age, has set up a new Australian cricket record, having scored 360 runs in a single innings played not long ago.

The Oxford-Cambridge boat race, which this year is set for Saturday, March 17th, will, on account of tidal conditions, be rowed shortly after nine o'clock in the morning.

Francis Alexander, 2.19, made at the great stallion race at Rochester, N.Y., in 1881, is still thought pretty well of in Austria. Although he is twenty years old he sold for \$2,500 recently.

The sire of Nelson, 2.09, it is said, would have been castrated when a two-year-old, had it not been that the veterinarian who undertook the job, failed on account of the colt being a ridgling.

BENEDICTINE, a three-year-old colt. DENEDICTIVE, a three-year-old colt, owned in Toronto, was entered as a two-year-old last fall at the York Township Fair, at Glen Grove, and won the race. He was protested and has now been disqualified

KITE tracks are a failure. They pro duce records but not shekels, in so far that the people cannot see the perform-ance so well as they can on the regulation tracks. A result is that the kites are being converted.

Zembia, formerly owned by Mr. Angus ZEMBIA, formerly owned by Mr. Angus Sinclair, of Roslyn Stock Farm, Chatham, Ont., was the star of the Welch sale in New York last week, and was knocked down for \$5,000. The average for 26 head was 8875.

For the Epsom Derby Matchbox is decidedly easy nine to two, freely on offer, and from present indications there seems

to be more money in the market for the stable companion Bullingdon, who at ten to one has been quietly supported recently to win about £2,000. Ladas, the favorite, is steady in the quotation at nine to four

Ms. R. Davies last week was made happy by another addition to his Thorn-cliffe farm. Buckle dropped a fine foal to Parisian. The little fellow is a chestnut in color like his mother, and being from the union of a well-bred stallion like Par-isian, and a daughter of Stonehenge and Mary Buckley, he has everything favorable in the way of breeding.

The Paris correspondent of London Sporting Life sends the following item of interest to cyclists: "The 'ideal' bicycle track of the future is to be laid in the Bois de Boulogne by the municipality of Paris. I understand that the bed of the track is to be built of cement, while the surface is to be of compressed cork Morever, it will be enclosed with trees. o as to prevent the wind interfering with the runners.

A NUMBER of amendments to the rules of racing were to be considered at the January meeting of the Trotting Union of Great Britain and Ireland. One amend-ment provides for the abolition of handi-caps in favor of class races. Another sugcaps in tavor of class races. Another sug-gestion is that the press be approached on the subject of publishing the results of each day's trotting in the same manner as they now report for racing under Jockey Club and National Hunt rules. In September, 1884, Maxie Cobb was

In September, 1884, Maxie Cobb was crowned king of stallions when he rortded to a record of 2.13] at Providence. Now the following stallions have records of 2.13] and better: Directum, 2.06½; Stamboul, 2.07½; Kremlin, 2.07½; Arion 2.07½; Pail, Alto, 2.03½; Skelon, 2.09, Allerton, 2.09½; Moquette, 2.10; Pamlico, 2.10½; Cobaseo, 2.10½; McKinney, 2.11½; Belmarch, 2.11½; Regal Wilkes, 2.11½; Belmarch, 2.11½; Tamma, 2.12; Axtell, 2.12; Charleston, 2.12½; Favon, 2.12½; Eggland, 2.12½; Eggland, 2.12½; Eggland, 2.12½; Eggland, 2.12½; Eggland, 2.12½; Coar, 2.12½; Fonce de Leon, 2.13; Leochkeart, 2.13; Mark Sirns, 2.13; Eggland, 3.13, and Bellini, 2.13½.

Ar the annual meeting of the Canadian

gavido, 3.13, and Belling, 2.15, Falgavido, 3.13, and Belling, 2.15, and Reling, 2.15, and 2.15, were not numerous, only twenty-three stallions and ten mares being registered during the two years.

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