## FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

through increasing population, are beginning to family dog is. bear more heavily upon agriculture.

fodder, fruit and other crops is another.

developments indicate that we are on the verge strength. up of strains in plants.

The improvement of our existing grain and other of children. In this later capacity their docility the decision is easy to reach. The action of gallop plants by breeding them up to a higher standard and intelligence, as well as their small size, ing will often, by the rapidity of the muscular move-in quality and productiveness will be one of the makes them especially valuable. They have no study of their rhythm, and it is only under some important factors in the next half century in vicious habits, at least few of them have, and are working out the economic problems which, about as apt to injure the youngsters as the safely conducted while the animal is moving with that through increasing population, are beginning to family dog is.

By the end of the present century, it is esti- the miniature. He is built solid, with a paunchy mated, the agricultural land of the world must body and strong, heavy legs. In color he may produce a much larger annual acre yield than it be anything that horses are, even piebald. He is producing now to support the requirements weighs from 300 to 450 pounds. He is not much of our increasing populace. Better methods of in action. His gait is that of a trotter and, will be without variation or failure. When at rest, it farming is one means by which production may while capable of doing a great amount of work, will easily sustain the weight assigned to it, without be made to keep pace with consumption. The and standing a good deal of abuse, the Shetland showing hesitancy or betraying pain, and when it is development of a superior type of grain, forage, will never overwork himself. He has a lot of en- raised from the ground in order to transfer the weight durance, but he won't exhaust himself on any to its mate, it will perform the act in such a manner As a general rule, it is vastly more difficult to kind of a job, and even the vigorous use of the it will be with a firm tread indicative of its ability that when it is again placed upon the ground to rest,

the breeding of plants, and when some experi- cases have been satisfactory, the size and action In short the regular play of every part of the apparts ments have been conducted and data gathered, of the ponies were improved but since the class upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets, and the upon which a regular system may be worked out, is used now solely as children's pets and the system may be worked out, is used now solely as children's pets and the system may be worked out, is used now solely as children's pets and the system may be worked out, is used now solely as children's pets and the system may be worked out, is used now solely as children's pets and the system may be worked out, is used now solely as children's pets and the system may be worked out, is used now solely as children's pets and the system may be work results even of greater economic importance may smaller in size the ponies are, the more valuable suggestive of the condition of vital integrity,be looked for than have yet been attained in ex- they become, there has been little encouragement which is simply but comprehensively expressed by the periments in the crossing, breeding and building to crossing. In fact the breeder's greatest care terms health and soundness. is to keep his stock within the regulation limits as to size.

is effecting results that are plain and undoubted. principal use of the Shetland is in the amusement observation, though, if the animal walks on three legs, ing will often, by the rapidity of the muscular move peculiar circumstances that the examination can be

vestigation is made with the best chances of an intelligent decision, and it is while moving with this gait, therefore, that the points should be looked for which must form the elements of the diagnosis.

experiment with animals than plants, but recent whip will not excite him to exertion beyond his receive again the burden to be thrown back upon the ground to rest, it will be with a firm tread, indicative of its ability to developments indicate the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown back upon the section beyond his receive again the burden to be thrown be again the burden to be the section beyond the section beyond his receive again the burden to be the section beyond the section beyond the section beyond the section be section beyond the section beyond the sectin In planting it upon the ground or raising it up again of important discoveries in the domain of animal On this continent breeders have tried crossing for the forward movement while in action, and the breeding as well. The Mendelian law is capable the Shetlands with other horses, the Hackneys of application in animal breeding as well as in especially. The results of such breeding in some act be that of walking or trotting, or even of galloping.

> But let some change, though slight and obscure, occur among the elements of the case; some invisible

# HORSE

#### The Shetland Pony

Of all horses Shetland ponies are the most diminutive, the most docile, and for their size possessed of the greatest strength. To trace the origin of the Shelties, one must go back beyond the dawn of written history. They were on the Shetland Islands probably before the Norseman came to settle there. For as far back as man can trace human existence on the Islands the ponies were known. How they reached the Shetland's, and where they came from, history does not disclose. Written history of the breed, in fact, does not go back very far. That they were on the islands before the Norsemen came is very probable, for in Edinburgh Museum there is preserved an ancient Celtic stone, discovered in the Isle of Bressay, bearing amongst other things the pic-ture of a horse on which a man is mounted. The horse is a Shetland pony, judging from its dimin-utive size, and the man is supposed to be a Celt. But the first authentic record we have of such ponies existing in Shetland is furnished by an historian who wrote about the islands in 1770. Since then the Shetland pony has been better known, record books have been started for the breed, he has been taken to all quarters of the world where his docility, intelligen ful endurance have brought him much into favor for certain uses. The Shetland Islands, in which these ponies have their home, lie northeast of Scotland and only 360 miles from the Artic circle. They are the term lameness signifies any irregularity or de- ralize the efficiency of vitalizing forces; and disrough and hilly, forage is scarce, and the climate rangement of the function of locomotion irrespective ability of a limb to accept and to throw back upon its rough and hilly, torage is scarce, and the climate rangement of the function of locomotion irrespective ability of a fills to accept and to the severe, the ponies run out all season, chancing of the cause which produced it, or the degree of its mate the portion of the weight which belongs to it to their existence with the few sheep which the manifestation. However slightly or severely it may sustain—present itself, whether as the result of trautheir existence with the few sheep which the manifestation. However slightly or severely it may islanders keep. Scant forage and a boisterous be exhibited, it is all the same. The nicest observaclime account for their small size and shaggy tion may be demanded for its detection, and it may coats. That they probably originated from a need the most thoroughly trained powers of discern- in organizing the locomotive apparatus, at once we larger species is evident in the difficulty which ment to identify and locate it, as in cases where the are confronted by that which may be looked upon as breeders have of keeping the ponies small enough animal is said to be fainting, tender, or to go sore. a cause of lameness. When they are bred in a more favored climate and On the contrary, the patient may be so far affected Not the least of when they are bred in a more favored climate and as to refuse utterly to use an injured leg, and under remember is that it is not sufficient to look for the fed on a more nutritious diet then they get in compulsory motion keep it raised from the ground, their own hilly and wind-swept isles. It is only and prefer to travel on three legs rather than to bear of the affected limb alone, but that it is shared by the by the most judicious selection and mating that any portion of his weight upon the affected member. this difficulty is overcome. Even as it is, the Usually the discovery that the animal is becoming as the halting member, if the hazard of an error is the Shetlands are gradually becoming larger. Sev- lame is comparatively an easy matter to a careful be avoided. The mode of action of the leg which is enty years ago, according to Youatt, they were observer. Such a person will readily note the changes the seat of lameness will vary greatly from that which very diminutive, sometimes not more than seven of movements which will have taken place in the it exhibited when in a healthy condition, and the very diminutive, sometimes not more than seven hands and a half in height and rarely exceeding nine and a half. The standard height now is But what is not always easy is the detection, after that of resting on the ground, that of its elevation and



MONA'S ROCKET, IMP. (534)

FOUNDED 186

406

Shire stallion. Bay; foaled 1905. First in Class and reserve Champion, Canadian National Exhibition, 1908. Owner, Thos. Mercer, Markdale. Ontario.

#### **Detecting Lameness in Horses**

Comprehensively and universally considered,

agency of evil intrude among the harmonizing processes going forward; any disorder occur in the relations of co-operating parts; anything appear to neutmatic accidents or otherwise; in short, let anything develop which tends to defeat the purpose of nature

sound one, and must be searched for in that as well nine and a half. The standard height now is from 9 hands to 10.2, the latter being the limit set by the Shetland Pony Stud Book. Neither are they so shaggy as they formerly were in the coat. The first ponies exported from Shetland were used in coal mines as pack and saddle animals. For this work their small size, wonderful strength, and easy keeping qualities seemed particularly to adapt them. They could go anywhere a man could, and keep fat on anything. Now-a-days, however, they are not so much used in mines as they were. Cheaper power has been found for carrying and hauling below ground and the

## FUJI MICKU SAFEITA