FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

see it. If possible the affair should start off with a the Black Sea, and thence by way of the Crimea, to home. march past of the prize winning stock, horses and Transcaucasia, "the land of Noah's Ark," that storm The march past of the prize winning stock, horses and Transcaucasia, "the land of Noah's Ark," that storm The net result of this trip was first of all, the tracing cattle, if the judging is done in time, and exhibitors centre of contact between Europe and Asia. Crossing of alfalfa to a latitude much more northern than any should be compelled to parade their stock. Most the Caspian Sea, he plunged into the land of the Turkofair visitors spend only the afternoon on the grounds. man. By this time, though hampered by an inter- shipment of five carloads of seeds and plants of many At the bulk of fairs they would have a job finding preter, he had developed the art of agricultural kinds to the Department of Agriculture at Washingthe prize winners of any class if they did wish to see them, and where a stock parade is managed properly, the various classes marched past in order, the visitor, chism. It was not long before the professor was hot The journey, in the estimation of the professor, paid if he doesn't have a chance to inspect the animals on the trail which he knew was likely to prove of the and paid abundantly, but that the northern limit of closely, knows at least that he has seen the best of utmost significance. the stock, and is better satisfied than he would be if he tried to look the exhibit over at closer range. and found the bulk of it hidden away under horse blankets. If there are races, and we believe some sort of a racing program should be put in at every to desperation. At country fairs racing should be the same that was followed by Alexander the Great plant hardened by natural processes through thous-confined exclusively to local horses. Nothing is more than a score of centuries are to relate the ands of years in for work in for work in the same that was followed by Alexander the Great and of years in for work in for work in the same that was a score of centuries are to relate the same that was followed by Alexander the Great and of years in for work in the same that was followed by the same that was followed by Alexander the Great and of years in for work in the same that was followed by the same that was followed by Alexander the Great and of years in for work in the same that was followed by the same that was followed by the same that was followed by Alexander the Great and of years in for work in the same that was followed by the same that was followed by the same the form the same that was followed by Alexander the Great and of years in for work in the same that was followed by the same that was followed by the same the form the same that was followed by the same the form the form the same that was followed by the same that was followed by the same the form the form the same the form the form the same the form the form the same that was followed by the same the form the form the form the form the same the form gained by bringing in a band of circuit horses to make explorer found, Central Asiatic civilization had existed a gateway with the purses. Local men in most cases, for centuries, and what would sustain a semi-civilizawill put up equally as good a performance, and the tion in the East he knew would be an immensely fact that both men and horses are known in the valuable adjunct to the products of a fully civilized community adds interest to the event. A couple of people in the West. The Northern African alfalfa, hours of racing in an afternoon is sufficient. Between heats other events can be pulled off. At fairs in the centuries ago and thence northward into California, old land leaping classes are much in favor as an had been shown again and again to be unfit for the Jumping the hurdles is a perfectly attraction. legitimate adjunct to a show where horses of any kind are exhibited. It is possibly a feature more popular with the public than any other horse atraction. which is all the same thing. Hurdle jumping might methods of cross-breeding. So the professor followed not be possible at some shows out here but at quite a on across the land of the half-civilzed Turkoman, number a little of it could be worked in. Leaping classes should be arranged for horses ridden by both gentlemen and ladies.

At purely agricultural fairs there are a number of horse events that can be pulled off with ordinary farm horses. In this country where farm outfits consist ordinarily of four or more horses, four and six in hand classes could be arranged, the judging being done in the ring. For the ladies there may be harnessing and driving contests. There can be hitching competitions, drawing contests and prizes for the best matcher, best groomed and best trapped teams. A drawing ontest makes a very interesting feature if it can be ded off at a good time. Then there are walking tack, backing contests and such like to no end. We believe there is nothing in the line of attractions for agricultural fairs more popular than events in which horses play the prominent part. Most people like to have you believe they can appreciate good horses and most of us unwittingly admire good horsemanship. A baseball or football match, if the competing teams are any good and don't require all afternoon to play a game, are all right. But attractions of this kind should be secondary to such as we have just enumerated.

There are plenty of admirable features that can be introduced into the amusement program of fairs. The important point is to have what is provided in this line of a high order and not attempt to have too much of it. If things are not allowed to drag and everything goes off in time the crowd will be amused without being wearied. The program should not be extended much beyond five o'clock. Let the people get started for home early, if you have another day's fair, and they are more likely to return next day. Most people are sufficiently amused with a three

group of men were subjected to an agricultural cate- alfalfa into this country. chism. It was not long before the professor was hot

professor met, army officers particularly, were closely were eating in the market-places and at post-road carried by the Spanish into South America three prairies of the Northwest. It would freeze out in severe winter with many millions as the aggregate loss. But here was a chance that a thoroughly hardy alfalfa might be found-a variety inured to drouth They are able to follow it or think they can and cold through thousands of years of natural through Bokhara, into Turkestan and to its capital Tashkent, where he found an alfalfa bazaar which bore the marks of great age. And still the signs pointed northward and eastward; without a thought of turning back, he pressed on, stopping now and then for needed rest or to question some Turkestan plowman with camels hitched to crude implements centuries behind the times, as viewed by Western action. standards.

## A THOUSAND MILES IN A TARANTASS

The journey was made in a tarantass, a four wheeler with no springs, the bed being on long wooden poles, making a bone-racking vehicle somewhat resembling already far advanced. Snow lay upon the ground, in appearance a modern buckboard. It was anything and there was no time to waste. Then, one afterbut a comfortable conveyance for a 1,300 mile jaunt, but it was the best to be had for the purpose, and then there was the alfalfa to lure the traveller on. Follow- wild alfalfa. It was not the blue-flowered alfalfa of ing for hundreds of miles along the Tian-Shan range of mountains between Turkestan and China, Professor Hansen finally crossed the range into China, bringing up at the ancient city of Kuldja, in the Province of Ili. He had traced the blue-flowered alfalfa to the He was a thousand miles from a railroad, and had gone in a land where the speech was utterly unknown to him—at least three removes as things stood from anytranslate Chinese into Tartar, another to make Tartar Hudson Bay district. over into Russian, and a third to reduce Russian to German, with which he was familiar. "Yes, alfalfa grew farther to the northward at Kopal," he was told. steppes, after nine years of waiting, was one of intense Back across the rugged Tian-Shan range he hurried.

ring, where the public generally can get a chance to Russia to Kief. From Kief he went to Odessa, on Bremen, by way of Moscow, and there took ship for

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The net result of this trip was first of all, the tracing inquiry to a high degree. Almost every man or every ton, including the first importation of Turkestan

The journey, in the estimation of the professor, paid the alfalfa belt in Asia had been reached was by no This was a trail of hardy alfalfa. All whom the means certain. Indeed, there was convincing evidence that that limit had not been found, for near Kopal an army officer had said that he had seen the uestioned as to this forage. Horses even were Kopal an army officer had said that he had seen the plant at Zaisansk, a considerable distance northeast-approached on the subject," and the provender they mand of Kopal. The professor was appious to man ward of Kopal. The professor was anxious to go back and take up the broken trail. Who could tell hope that the whole great central plain of North America, from Nebraska to Hudson Bay, could be made an alfalfa-bearing region? But wars and rumors of wars served to postpone the proposed second trip for nearly a decade.

## THE THIRD TRIP ACROSS ASIA

Then one day came the announcement that he was again to take up that trail, and it came dramatically enough. At the dedication of the South Dakota State Fair at Huron, in 1905, Secretary Wilson made the chief address, and in the course of that address, without warning to Professor Hansen, who was sitting near, he said that the alfalfa explorations were to be resumed, and that the professor was to go again to

The troubles in Russia were at a high heat, and they extended over into Siberia. To go into Siberia therefore, meant no inconsiderable risk. But the explorer did not temporize. He would go as far as he could-until some insurmountable obstacle put an end to progress. He at once crossed to Helsingfors. In the harbor there he saw battleships stripped for The outlook was not promising, but he went on, and despite evil omens on every hand he reached Omsk in safety.

Without going southward to Kopal, he began his quest for alfalfa along the Trans-Siberian railroad. Receiving encouragement, he took to the open steppes to demand of Nature her secret. The season was already far advanced. Snow lay upon the ground, noon, out on the bleak plains, the man made his great discovery. He found, even in that high altitude, a Turkestan, but a yellow-flowered variety. Subsequent investigation was the means of bringing a "wonderful new fact to light." As Professor Hansen tells it, it was this:

Where the blue-flowered alfalfa stops, three yellowvery doors of Chinese temples in the heart of Asia. flowered species are found, extending from one thousand to two thousand miles northward, and clear for months without letters from home, and he was across Siberia, approximately between parallels fifty and sixty-four north latitude. As these species grow freely in dry districts, they point to the extension of thing he could understand. In order to carry on his the alfalfa belt on this continent from Nebraska northinquiries, he had to have three interpreters, one to ward as far as men will care to farm—even to the

feeling and suppressed excitement for the explorer. A more demonstrative man would have thrown his hat in the air and spent his energies in shouting. Profes-At Kopal he did find alfalfa. It grew out on the sor Hansen, on the contrary, set to work gathering all wide steppes, where the Kirghiz Tartars pitched their the plants that he could find, and he put his driver strange camps, amid a sparse vegetation. But there, at like work. All the seed found then and afterward as he moved eastward was from wild plants. The Siberians had used the plant for hay for centuries, but with immense areas of wild land on which to draw had table kingdom, swooped down on him in a vicious done nothing toward its cultivation. Recently, however, in places they have been encouraging Nature to give a larger supply At Irkutsk Professor Hansen found a load of the America by causing the premature death of the man. hay in market, and supposed, of course, that he would be able to buy plenty of seed. Not a seed could he get, though, and he went back to the owners of the hay, Mongolian Buriats, bought their load, and set a group of market idlers at picking out the seed by hand. The little coin of the realm, of which the professor always carried a supply, proved a sufficient discourager of hesitancy. But the finding of the plant did not end the discoveries relating to alfalfa. Inquiry showed that the yellow-flowered and the blue-flowered alfalfa belts overlapped, and that on the overlaps grew natural hybrids of the two, suggesting immense possibilities in artificial culture in America to get just the kind of alfalfa suited to any given district. None of the seed derived from the original supplies brought back after the first discoveries by way of ger quest." not over-appetizing food. Pneumonia threatened tions, under the direction of the Government Sta-Landing at Hamburg, he hastened to St. Petersburg the professor and compelled him to lie at the little of Agriculture, are making extensive tests and, until Japan, has yet been distributed. Experiment staand elsewhere, however, give promise that when the Government is ready to make announcements they tance, he turned eastward to the Ural Mountains, mate acquaintance of a pounce of and and turpen-nature's battlements between Europe and Asia, tine which showed the strength of its affection by finding on the way farms worked by hardy camels, blistering his chest. Then, after a terrific drive of imported from the East. Then he turned westward three day and nights without stop except to change, with the results obtained, and from that fact the large

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hour's program any way. H. OSCAR SHELDON.

## Trailing the Hardy Alfalfa.

W. P. Kirkwood, in the April World's Work, tells an entrancing story of the work of Professor Hansen, of the South Dakota Experiment Station, the wizard of American agriculture, in discovering and inventing fruits and forage to withstand sub-zero weather. The portion that refers to the Professors trans-Asiatic journey in search of a hardy strain of alfalfa, is interesting enough to be repeated.

In 1897, when Professor Hansen had just advanced the preliminary work of his campaign for the occupation of the North by small fruits to a promising point, Seretary Wilson, of the National Department of Agriculture, began to put into execution a plan to explore the four corners of the earth for plants and animals It was a hazardous thing to do as the event proved, adapted to the needs of the various sections of the almost costing the professor his life as the price of United States. He called upon Professor Hansen to having traced alfalfa to a latitude more northern than go to Europe and Western and Central Asia in quest that of the capital of Minnesota and almost as far east of drouth-resisting and cold-resisting plants. He of Greenwich as South Dakota is west. He had gave the professor a free hand. Much of the wild scarcely set out on his 700-mile sledge-ride before a region which the plant explorer was to traverse violent blizzard swept down upon him out of the cruel —the heart of Asia—had been explored but North, and his Tartar drivers got lost on the treachlittle by travellers and the professor knew he was erous steppes. going on no midsummer's picnic. But, as he himself storm subsided a little, and the little company found "possible hardships were forgotten in the a post house at Sergiopol, with shelter and warmth, if savs. eager quest."

Landing at Hamburg, ne nastened to St. retersburg the professor and competed functione at the fittle of Agriculture, are making extensive tests and, until and thence southeastward to Nijni Novgorod, the military hospital at Sergiopol for a week. Then, these have been thoroughly sifted, no seed will be scene of Russia's great annual fair, to which are impatient of further delay, he pushed on. But the given to the public. Results obtained at Brookings carried the agricultural and manufactured products sting of exposure had gone further than he supposed, of both Russia and Asia-the very place to look for and before he had gone far he was compelled to haltnew material. Following down the Volga some dis-this time at Semipalatinsk, where he made the inti-vill be of a most satisfactory sort, and mean the pushtance, he turned eastward to the Ural Mountains, mate acquaintance of a poultice of lard and turpen- ing of the extra-profitable farming belt much farther

Winter was coming on, and there was no time to be So he kept his post-horses moving. lost.

45 degrees and 10 minutes north latitude, and 79 degrees east longitude, winter, that foe against which Professor Hansen had allied himself with the vegeattack; and it seemed for a time that the attack away off there in Asia would defeat temporarily, at least, the cause of the plant kingdom in North-Central But winter reckoned not of his endurance and determined purpose. He had travelled 1,300 miles by wagon when snow put an end to his search for seeds and he decided not to go back over his wagon route, but to take sledges and push on almost due northward 700 miles to Omsk, on the Trans-Siberian Railroad. When morning broke the

again and crossed the great plain of South-Central horse, he reached Omsk. He hastened by train to inference is natural and reasy.