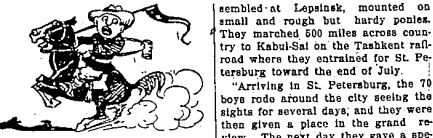


NATIONAL CAPITAL AFFAIRS

Suggests the Mounting of American Boy Scouts



WASHINGTON—Curtis Guild, Jr., American ambassador to St. Petersburg, desires to see mounted boy scouts. He believes the United States government should furnish powder for the boys, give them instruction in horsemanship and train them in skill in riding and develop their hardiness.

He outlines his plan in a letter to the state department, which has been referred to James E. West, chief scout executive of the Boy Scouts of America. West is enthusiastic over the scheme. The scout leaders are taking the matter up with Ambassador Guild and the officials in Washington.

Ambassador Guild got his inspiration from seeing 70 Cossack boys drill before the czar last spring. "At recent events," he writes, "in the presence of the emperor at Krasnodar, there was one thing of particular importance as it opened a new vista of the possibilities of the boy scout movement."

"Early in May some Cossack boys, ranging in age from eleven to fourteen years, left their villages and assembled at Lopskai, mounted on small and rough but hardy ponies. They marched 50 miles across country to Khabul-Sai on the Tashkent railroad where they entrained for St. Petersburg toward the end of July."

"Arriving in St. Petersburg, the 70 boys rode about the city seeing the sights for several days, and they were then given a place in the grand review. The next day they gave a special drill before the emperor. The drill consisted of a little trot in close order, of the Cossack exercises in the saddle with the pony at full speed, and ended with all the boys standing in their saddles, astride in line and singing their native songs."

"It was difficult to say who enjoyed it the most, the few spectators or the boys themselves. It made a very pretty sight and a reward to those who carried to me. Why, if Russia can do this much for its boys, cannot America at least do as well for its sons?"

"Would it not be possible out of the 70 boys to select a small troop of boy scouts—to equip them temporarily with the few things needed by a troop of boys, to give them a trip to Washington and let them see the president?"

"The horse and all that pertains thereto is fast being forgotten by the people at large. It is not worth while to again instill the love of riding."

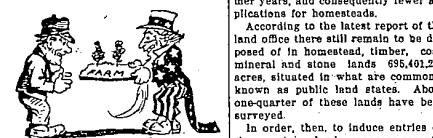
Washington's Sewerage System Pronounced Best.

WASHINGTON'S sewerage system has been pronounced the finest in the world by a party, including some of the foremost sanitary engineers. This party, which included Dr. John Watson, chief sanitary engineer of Birmingham, England, and Dr. George W. Fuller, of New York, author of the standard work on sewerage systems; Dr. Soper, president of the Metropolitan Drainage Commission of New York City, and James E. West, chief sanitary engineer of Philadelphia, were escorted over the system by Superintendent Asa E. Phillips just at the close of the Congress of Hygiene and Demography, which was held at the Washington Hotel.

"The opinion of this party that no city has a better system except the German municipalities, which were considered to be a model in this regard," Washington is understood to have expressed in a public opinion of this party that no city has a better system except the German municipalities, which were considered to be a model in this regard."

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Uncle Sam Makes It Much Easier to Secure a Farm



GENEROUS Uncle Sam who for over a century has been giving away homesteads in the west through his land office has now decided that in order to make these lands more attractive to the prospective settler he must make some concessions which will render them easier to acquire. As a result of the constant granting of homesteads, ranging from 40 to 320 acres, since the enactment of the homestead act of 1862, during which time the government has given away nearly more than 123,450, 355 acres in final homestead entries, the land office has found it had on its hands lands less suitable for cultivation and farming purposes than in former years, and consequently fewer applications for homesteads.

According to the latest report of the land office there still remain to be disposed of in homesteaded, timber, coal, mineral and stone lands 93,401,559 acres, situated in what are commonly known as public land states. About one-quarter of these lands have been surveyed.

In order, then, to induce entries on the remaining lands, congress recently passed a law providing that certain restrictions on these entries in the way of cultivation, residence, etc., be moderated so that settlers would, without difficulty, be able to live up to the specifications set forth in homestead laws. One of the most attractive features of the new law is the three-year residence clause. This provides that in order to entitle a person to a patent upon a homestead it must be shown that he has resided on the farm for three years. Honorably discharged soldiers and sailors are entitled to claim credit for the period of service, after they have resided upon, improved and cultivated the land for a period of at least one year.

Railroad Puts Engine in the City Fire Service

ONE of the big railroads having recently equipped its engine with modern fire-fighting apparatus and put it in commission to assist the district firemen in extinguishing flames in the railroad yards, yesterday sent New Jersey and Virginia.

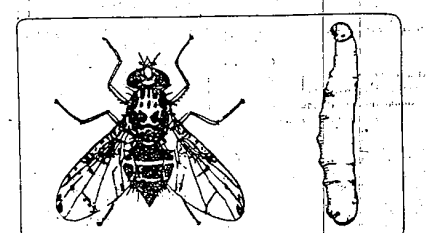
Because of the high speed of which the engine is capable and the fact that it has right of way all the time, its services will be invaluable, as it has already been shown by its efficiency in putting out small fires in the yards without the assistance of the municipal department. The most efficient fire-fighting service, operated from the towers, can give it right of way with scarcely any delay.

The primary use of the engine will be in the yards, but it can be brought to any station or elsewhere along the road if necessary. The terminal has been so constructed that water can be reached at any point in the yards.

This is not an innovation, as the

MEDITERRANEAN FRUIT FLY IS SERIOUS DRAWBACK TO SUCCESSFUL CULTIVATION

Considerable Interest in Very Destructive Insect Recently Aroused by Action of Department of Agriculture in Calling for Hearings on Advisability of Quarantine.



The Mediterranean Fruit Fly and Larva. (Greatly Magnified.)

The recent announcement of Secretary Wilson of the department of agriculture of his purpose to hold hearings for the purpose of determining the advisability of a quarantine against importations of plants, fruits or trees from countries where the Mediterranean fruit fly is known to exist, has aroused considerable interest in this very destructive insect, and there have been many demands on the department for information concerning it. To meet this demand Dr. C. O. Howard, chief of the bureau of entomology, has prepared a circular—No. 160 of his bureau—of which A. L. Quaintance is the author.

That the Mediterranean fruit fly is a most serious drawback to the successful cultivation of fruit in the countries where it is established, there can be no question. Indeed, the cultivation of fruit is seriously hampered in the most infested regions. The fruit-growing industry of Bermuda was practically destroyed many years ago by the introduction of the insect into that island. Its introduction into the United States in all probability would be calamitous to the orchard interests of our more southern states and of California, in which regions it would be particularly serious. It now exists in countries where it now exists in most destructive numbers. By the establishment of a strict quarantine, such as proposed by the secretary, it is believed that it will be possible to prevent disaster to the American fruit industry.

The greatest amount of damage is done to the ripening fruit by the female, and the annual expense for the control of this pest is estimated at about \$350,000, and the annual increase in mileage is about 25 miles. To get rid of mosquito breeding, all of the catch basins, which are flushed biweekly, and then dosed with mosquito oil during the season. It is estimated that the average cost for this treatment is about six cents a basin. In the case of the basins, hold water and offer breeding places for bugs, mosquitoes and other insects. Washington can well afford to spend the money on this system given by the prominent scientists.

GRAPES NOT HURT BY HONEY BEES

Busy Little Workers Never Puncture Skin of Luscious Fruit, Says Expert.

There are some subjects on which it is impossible to convince our older farmers and fruit growers that their inherited notions are and are not, and one of these is the question of the harmlessness of the honey bee to the grape. The latest demonstration by the highest authorities available to change their opinions or to make them hesitate to assert and reassert them in their communities to agricultural journals and to the meetings of societies where such questions are discussed.

One of these is that under certain climatic or other conditions, when the bees are in the vineyard, they will pierce the fruit and deposit the small glistering white eggs just under the skin. These hatch in a very short time, two to four days in midsummer, and the fruit is ruined. The development, however, of this probability if the fruit is green, the eggs will not hatch. The larvae or "maggots" when hatched at once

the actions of bees in the open; and yet the same thing is made possible by bees growing in the vineyard, by grape growers who experience loss in having their clusters mutilated, and who seem determined to consider the harmless bees as the principal source of the trouble.

The use of rotted stable manure as a source of greenhouse plant food has been the custom for so many years that more effective forms of plant food make headway slowly; yet this rotted stable manure has many disadvantages. It always contains more or less weed seeds as well as disease germs, and it supplies plant food in available form very irregularly.

The quantity to be applied should correspond to about three-fourths of an ounce of ammoniacal nitrogen per square yard of surface; that is, to each yard of bench, use about four ounces of ammoniacal nitrogen, or 140 pounds of ammoniacal nitrogen are always accompanied by 30 pounds of phosphoric acid and 70 pounds of actual potash.

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MICHIGAN DEFEATS S. DAKOTA

Foot Ball Game at Ann Arbor Results in Score of 7 to 6.

"Bettles" Thomson won the Michigan-South Dakota game for the Wolverines by four successive line bucks, in the last five minutes of play. Father's boot was the one point needed after the touchdown had been made and the final score was 7 to 6 in Michigan's favor.

For a team of as little fame as the westerners have, the put up the strongest game seen on Perry field in some time. They opened the scoring in the second quarter with a long forward pass and 10-yard run for a touchdown. After that, they held, and the game became a punting duel in which Thomson had the best of Ferguson, who did the kicking for the westerners.

Michigan's line was weak at different times, and they had difficulty in stopping the Coyote forward pass. The Dakota line was also loose, but it was impossible for Michigan to gain consistently.

Adrian May Have State Armory

It is possible that Adrian may have a state armory within the next few years, according to the present progress of a committee which is looking up a site for the building. The committee has several good locations in view.

The dedicatory services of the Church of the Blessed Sacrament in Allegan which has been completed by the Catholic society, were held Sunday, being in charge of Bishop Keely of Ann Arbor.

THE MARKETS.

DETROIT—Cattle—Extra dry-fed steers, 11; steers and heifers 1.00 to 1.20; calves 1.00 to 1.20; hogs 1.00 to 1.20; sheep 1.00 to 1.20; chickens 1.00 to 1.20; turkeys 1.00 to 1.20; ducks 1.00 to 1.20; geese 1.00 to 1.20; pigs 1.00 to 1.20; rabbits 1.00 to 1.20; birds 1.00 to 1.20; fish 1.00 to 1.20; vegetables 1.00 to 1.20; fruits 1.00 to 1.20; nuts 1.00 to 1.20; seeds 1.00 to 1.20; grains 1.00 to 1.20; oil 1.00 to 1.20; sugar 1.00 to 1.20; coffee 1.00 to 1.20; tea 1.00 to 1.20; spices 1.00 to 1.20; herbs 1.00 to 1.20; flowers 1.00 to 1.20; plants 1.00 to 1.20; animals 1.00 to 1.20; insects 1.00 to 1.20; minerals 1.00 to 1.20; metals 1.00 to 1.20; stones 1.00 to 1.20; gems 1.00 to 1.20; fossils 1.00 to 1.20; curiosities 1.00 to 1.20; antiques 1.00 to 1.20; art objects 1.00 to 1.20; scientific instruments 1.00 to 1.20; mechanical devices 1.00 to 1.20; electrical apparatus 1.00 to 1.20; optical instruments 1.00 to 1.20; astronomical instruments 1.00 to 1.20; meteorological instruments 1.00 to 1.20; 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