TROTTING WONDERS.

THE PREUMATIC SULKIES MAKE MARVELOUS TIME POSSIBLE.

Brilliant Performances of Nancy Hanks and Sunol-Advantages of the Air-Cushloned Wheel -The Speed Limit.



AUD S., Sunol and Nancy Hanks--which of them is the fast-Should you ask

this question of a certain ruddy, pleas-ant faced, briskant faced, Seatch mannered Irish New Yorker. you would receive for answer an em-

phatic:

mare whose record of 2:05% on a regu-lation oval track seven years ago is in the minds of most impartial judges the best trotting performance the world has ever witnessed. Sunoi's 2:05%, made over the time-destroying, mathematic-ally-ingenious, kite-shaped track, is in-ferior as regards absolute speed. Mr. Bonner claims, to Maud S.'s time, inas-much as the kite track is undoubtedly

much as the kite track is undoubtedly

oval. Nancy Hanks's 2.071, though

made on an oval, he asserts is also in-ferior, because Mr. Forbes's game little

Kentucky six-year-old dragged one of

the wide-tired, air-greased, jarless, pneumatic sulkies just coming into vogue. This lact made her time, he con-

tends, at least two seconds faster than it

otherwise would have been.

Maud S. having had neither the kite track nor the "bicycle" sulky to assist

2084 back in 1885 on a track poorly planned as compared with those of to-fay, may be judged to have made the

by all three of these aids. Consequentry

Mr. Bonner is emphatic in his conviction

that she is queen of the turf, though she

may have been technically dethroued. In talking about Maud S, and her younger rivals Mr. Bonner made a pre-

diction of great interest to lovers of

trotting horse. "I think," said he, "that the time limit for trotters has

nearly been reacaed. I place it at

ting turf, the peerless Nancy Hanks,

has added new honors to the fullness of

her fame. On the kite shaped track at

and, furthermore, trotting her

from two to three seconds faster than the

this. He held up the shafts of a pneumatic and told his boy to press a fore-finger against the slat. With even that slight pressure the vehicle quickly moved backward. Later on Marvin had moved backward. Later on Marvin had the sulky lifted so that one wheel was free from the ground; he then started the wheel wairling and it spun until I began to think perpetual motion had been found at last. It is easily appreciated that such a factor as that must help a horse to finish with comparative ease, for strength is saved—the strength which used to be employed is overcoming the greater friction of the cone bear-

"Moreover, the new sulky takes the turns without sliding, which of itself is a big advantage.

"There is also much less spoke vibration in the new sulky than there was in the old. Should you ride behind a trotter in a steel tired sulky you would at once notice a jarring caused by the wind whistling through the spokes. "Mand!"
Well may Robert Bonner give this But in the pneumatic the friction between the wheel and the track surface opinion and cling with enthusiastic loy-alty to his favorite, that magnificent tire, and there is little vibration among

turns and the straightaways, but to the

latter particularly. The vibration in the

old sulky was a reason for not making it lighter. It made a light sulky likely to

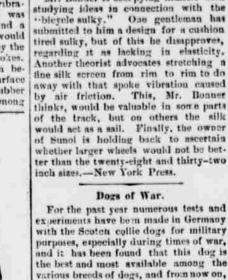
suddenly weaken, and it also mildly martyred some drivers who developed kidney trouble from riding on the old

school bone shakers. Only two years ago Otrin Hickok, one of the very best

drivers of his time, was obliged to go to the Hot Springs of Arkansas in conse-

A. A.—Position of ball bearings. B. B.—Hollow steel backbone.

quence of a kidney affection.



suiky

experiments have been made in Germany with the Scoten collie dogs for military purposes, especially during times of war, end it has been found that this dog is the best and most available among the various breeds of dogs, and from now on, according to the St. Louis Post-Dispatch, trained collies will be added to the stand-ing armies of Germany and France. The services to which the Scotch collies will be trained are numerous. They will serve as messengers for carrying dis-patches and important communications to those army divisions stationed in the mmediate vicinity of the enemy. During the progress of a fight where the troops happen to be scattered over a vast

turns with almost or quite the same fa-cilitity with which it takes the stretches, will nearly eliminate the superiority of the kite track as regards turns.

The matter of the actual difference in time between a recumptic tired and a

time between a pneumatic tired and a steel tired sulky is one about which horsemen disagree. Enthusiasts claim as much as three or four seconds; conserva-

tives, a very few of them, will allow one second or thereabouts. But, accord-ing to the best judgment, based on careful study, the difference may be said

to be from two to three seconds. In bicycling the difference is much greater

than four seconds; but in that sport the

racer was racked much more by the old wheel than was the trotter by the old

Mr. Bonner is occupying himself with



BUNTING UP WOUNDED.

area of territory, they will be used for carrying ammunition to the various divisions. They are furthermore trained for reconnoitering and for hunting up the wounded and carrying them on bulances, especially constructed for that purpose, to the field hospital. For the latter purposes these dogs are almost invaluable.

For reconnoitering purposes the dogs are trained to run ahead of a division of soldiers, search the territory closely and announce suspicious circumstances standing still in their tracks. Another field for his activity is outpost duty. In this case the dog is trained to scent the



approach of strangers and to return at once to his master to announce this fact to him. All this must be done very quietly, of course, so as not to disturb the enemy.

When doing duty as a messenger the dog wears a collar around his neck to which a leather pouch is attached, in which the dispatches are concealed. The collar is numbered and bears also the name of the army division to which the dog is detailed. In war times this name can be affixed in cipher so that the enemy may not be any the wiser as to the location of the division in question, to which the dog belongs, should the dispatch fall into his hands.

Some of the best and strongest dogs are detailed to the red cross division of the army, where they do valuable service in hunting up the wounded in timbere't and valley regions, where they are likely to escape the eye of man, especially after dark. When the dog discovers a wounded roldier he places his two fore paws on the body of the man and barks until assistance arrives. With this is combined the ambulance service. Small but well built wagons, which can carry two men, are easily drawn by a good strong collie. These ambulances are low, have good springs and the tires are covered with rubber. One of these wagons, with two attendants and a dog, can do twice as much field work as has heretofore been done by two red cross men with a litter. This has been de-monstrated during the spring maneuvers.

A chimney piece carved from wood over 6000 years old has recently been erected in a house in Edinburgh. The wood, an oak tree, was found in a sand pit at Musselburg, thirteen feet below

CHOLERA'S HOME.

THE PESTILENCE STALKETH FORTH FROM THE ORIENT.

Has Swent Over Europe From Baku, Russia's Petroleum Centre -Ignorant Peasants Repel the Physicians.



NCE more from Turkestan stalk Europeward through the vast country of the ezar the menacing specter of the that upon this oc-

comes via Asia suggeste a reversion to its more ancient itinerary, when it almost invariably advanced upon Europe from that direction. In later the tendency of the disease has been to spread its ravages first through Europe and the Red Sea, thence north-



LEAVING THEIR OLD HOMES. As invariably happens in similar cases the air is thick with conflicting rumors and opposing theories as to the origin and first location of the contagion. The most reliable version, I think, is that which traces it to Turbeti-Sheik-Djami, place of minor importance on the Afghan Persian frontier. Here it be-came unmistakable evident about the beginning of May, thence spreading to This town is on the road connecting Kandahar, Herat and Askabad, and is the most important place in the northeastern part of Persia. The deaths

more justly preferred than in the case of Baku, where general filth, in and out of doors, reigns supreme. There is no ade-quate inspection of household dwellings, and it is customary for refuse to be



A STREET SCENE IN BAKU.

thrown into the streets and for the dead bodies of animals to strew the pavement unheeded for days at a time. Whoever unheeded for days at a time. goes into an ordinary workman's dwell-ing is controlled by a series of sights and smells which at once tell the tale of inexcusable neglect - floors that are never scrubbed from one year's end to the other; furniture so greased and polished from constant contact with unwashed humanity and unfumigated clothing that its regeneration seems impossible; corners of rooms into which rubbish of all kinds has been thrown, and left to accumulate indefinitely; and altogether a state of affairs specially adapted for the breeding of disease.

Along the highways of the town things are scarcely better, pernaps with the single exception that they exist in the open air instead of in the close, confined atmosphere of the interiors. The Bakn street cleaning department would receive but slight commendation should its operations be extended to America, or, to reverse the proposition, if the uniformed gangs of street cleaners which are now familiar sights in New York were to appear on the streets of Baku, broom in hand, they would create something resembling a panic. I am not quite sure that their appearance would not galvanize the bodies of horses, mules, cats and dogs which indiscriminately litter the pavements into restored life under the mpulse of sheer astonishment. Baku, in fact, when municipal vigilance becomes aroused to the point of considering the disposal of a carcass which has been encumbering the highway several days, one or two municipal employer stand pensively on the opposite side walk and mutely survey the task before them here quickly reached an alarming high for an hour or more before bracing

An outbreak of cholers in Russia a momentous occurrence in more ways than one, because it is liable to cause a suspension of industries which employ large numbers of persons, thus creating a condition of general distress. In Baku the city authorities actually cleared out, under the impulse of fear, and employers of labor closed up their fac-tories. The position of the people can be thus easily imagined, deprived at once of the official supervision upon, which they perpetually depend and of the very means of subsistence. When the Russian results face him the results for the control of the c the Russian ruralist finds himself thus placed his first tendency is to lose hope and become generally demoralized. He is then harder to manage than ever, and, as I have shown, turns into a and a rioter .- Once A Week.

South American Savages at the World's Fair.

The Jibaras is a wild, untamed savage who enjoys himself by wandering in picturesque dress over certain sections of South America, and twelve members of this hitherto almost unknown tribe will relinquish the pleasure of southern fostivities to engage in the grand cru-sade for education which will mark Chicago as its own during the coming year. The Jubaras will educate visitors, acting in the capacity of an object lesson, and at the same time will probably return to their homes with one or two new ideas in regard to architecture and morals.

This tribe of savages roam in the most primitive condition over the plains of Ecuador bordering on Brazil. They are an unpleasantly fierce lot and have many curious and playint little ways, among which is the custom of preserving their enemies' heads as ornaments. For this purpose the head is prepared in a peculiar manner so as to leave it finally a very small size, although preserving all the features. This lovely organisms is then further adorned by streaks of red

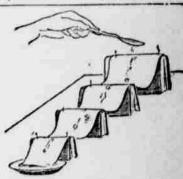


THE NATIVE COSTUME.

paint, and is then calculated to make its owner an object of envy to all of his companions. The tribe is especially skilled in feather work of various kinds. The members of the tribe are migratory, wandering here and there, and having no form of government .-- Washington

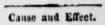
Little Drops of Water.

Take a long strip of stout paper and pass it over the top of a smoky lamp, or (if you can't endure the disagreeable odor of the lamp) besmear it completely with plumbago on one side of the paper's surface. Place several large books in regular order of decreasing size on a table and drape the strip of smoked paper over them with pins, as per illus-



THE TRAVELING DROPS OF WATER.

tration, the end of the strip resting in a The undulations of the strip should be more accentuated the nearest you get to the smallest book. Now let drops of water fall on the prepared paper, and they will roll along it, "up hill and down," in a most surprising manner.—St. Louis Republic.





Willie-"Do you keep that so

-"What sour cow?" Willie-"The one that gives the se ailk."-Truth.

The Italians have guns weighing one undred tons on their battle ships. hey are found too big and are to be



NANCY HANKS.

mare whose record of 2:084 on a regu- the spokes. This applies to both the

the world's record for the regulation | matic tires leave hardly any trace on the track by going a mile in 2:07 at the State Fair grounds, St. Paul, Minu .- ED.]

Mr. Bonner has been studying the pneumatic sulky and does not scruple to say that it is going to revolutionize trotting times. Every good trotter is now driven to it, he says. He ascribes Nancy Hanks's brilliant record to it and will buy two or three pneumatic sulkies as soon as he decides what size is best pted to Sunol. Then he will send t speedy California filly for the

ding the advantages of the tic tired sulky Mr. Bonner said

track. They are twice as broad as the steel tires, and if there is any pulling up hill it is too slight to be even imagined.

"The new sulky also passes over bles, etc., without jarring. A pebble is on the track. The steel tire hits it and an ugly jar is felt, setting the spokes to greater vibration and annoying a nervous driver. But when the pudding like surface of the pasumatic hits the pebble it instantly 'gives' to it, and the driver is literally ignorant of its presence on the track. This may seem too trivial for consideration, but horse owners know that it is not."

Mr. Bonner is of opinion that the new ally will restore to the regulation tracks a former place. The oval has been adged to be slower than the kite, be suse it has two comparatively share.

broken wooden horse, with which olson Bonaparte played when a child, recently sold for \$300.

RUSSIAN PRASANTS REPELLING THE HEALTH OFFICERS. average, and it was not unusual for 120 | themselves up for the mighty effort of removal. After this, it is generally con-sidered that human endurance cannot cases to be registered in one day. Next the cholera was heard of in Askabad sustain a similar effort for at least three about June 1st. The latter town is on or four weeks. Such is the sanitary at-Transcaspian Railway, and the plague continued to follow the line of this road mosphere of the great petroleum centre, in both easterly and western directions, its western halting place being for a time at Uzun-Ada, from whence the tide of emigration subsequently carried it still further west across the Caspian Sea to Baku, the eastern terminus of the

Transcaucasian Railroad. Baku is a city offering peculiarly favorable conditions for disease to take root and establish itself as a permanent danger to surrounding localities. Being



PUSITIVES FROM THE CHOLERA.

railroad center, it is in constant communication with the outer world, and its further importance as the headquarits further importance as the headquarters of the great pretroleum industry
gives it a population of nomadic workmen, few of whom may be characterized as fanatical devotees of cleanliness.
They herd together in promiscuous
crowds, disregarding ordinary hygienic
precautions and necessarily suffering the
consequences. Want of proper sanitary
supervision on the part of the local suthorities is moreover an old and well-

and can anyone marvel at the result? On the north of the Caucasus, from Baku, the cholera has gained its greatest strength in the province of Astrakhan, where a motley and ignorant population has resented from the start the efforts of

the public officals to alleviate the general condition. Of course, it was neces sary, in the public interest, to hastily dispose of the dead bodies of victims, but the idea suddenly took possession of the people that the doctors were dooming the poor sufferers to a premature burial. Quicklime had been called into use, the coffins being filled with it prior to interment, and this was fiercely resented, a was also the removal of the sick to hospital. At Astrakhan itself the house of the governor was surrounded by a men-acing mob. The shout went up: "Le us have revenge for the murder of our sick brethren!" The situation was startling, and its possibilities of danger was hourly increasing. Word dispatched to Saratoff for troops was responded to, but for at least two days Astrakhan remained under mob rule, and the crowd, dvancing on the hospital building dragged the medical superintendent and his deputy into the street, killed them and trampled the corpses under foot. Then the hospital itself was destroyed by fire. The most harrowing part of all was when the infuriated moujiks fell up-on the bearers of the hospital carts, on the bearers of the hospital carts, and, removing the patients, caried them away to secluded places, there to treat them according to their own ideas. Believing that the doctors had poisoned the poor people the fanatics proceeded to dose them with milk, with generally fatal results. When the troops from Saratoff marched into Astrakhan they were obliged to pour volley after volley into the riotous multitudes.