

PROGRESS OF RAPID TRANSIT.

Statistics Prove That the Horse Car Is Fast Losing Its Usefulness.

At the convention of the American Street Railway association at Buffalo, in many ways one of the most important gatherings of the kind ever seen in this country, President Lowry congratulated that association on the progress which had been made in the work of the association since its organization in 1882. He alluded to the fact that the United States government had recognized the growing importance of city passenger traffic by incorporating in its census statistics for 1890 a report on street railways in cities of over 50,000 inhabitants.

In this report fifty-six cities are included, and out of a total of 3,150 miles of track possessed by them 2,351 miles are operated by horses, 200 miles by electricity, 255 miles by cable and 221 miles by steam. In the smaller cities electricity is being generally adopted, and there are already in operation in cities and towns under 50,000 inhabitants about 1,600 miles of electric street railway. Mr. Lowry added:

I am so thoroughly convinced that electricity is the coming power for street railways (except heavy grade, where the cable is best suited), and that it will prove effective as a means of rapid transit in cities, that I believe this is the last convention that will ever seriously consider horses for the operation of street railways. When the people of a city clearly understand the great benefits of rapid transit by electricity or other improved motive power over horses, they will demand that their city authorities grant such rights as will enable street railway companies to operate by the most improved methods.

Heretofore street railway securities have been looked upon with favor by the financial world. However, since they have been operated by electricity, the financial men of the country are looking to its development and application to street railways as an additional reliable security for the investment of savings and trust funds. This should encourage street railway companies to give their various cities the most improved and best possible service. They will not only please their patrons, but the investment will prove very profitable. If street railway companies do this no better security can be offered for the savings of the widow and orphan than a good street railway bond in a thriving city.

People have not yet begun to realize what an immensely important factor the increase of speed in city travel may become. It has been found that increasing the speed of the cars a given percentage inevitably increases the patronage in nearly the same ratio, while the operating expenses are increased by a very small fraction of this percentage.

An instance of this has occurred at Davenport, Ia., where it has been found, taking the record for one year, that the total expense of operating five horse cars cost \$10,840, while five electric cars cost \$11,270 to operate during the same time, or it cost to operate the same number of cars 3-1/2 per cent more by electricity than by horses. The gross earnings for the twelve months of the same equipments were, horses \$15,897, electricity \$23,670.

It will thus be seen that although the operating expenses were increased 3-1/2 per cent, where electricity was used, the earnings were increased very nearly 50 per cent, or in other words the substitution of electricity resulted in a net gain of more than 46 per cent, owing to the increased patronage induced by the improved service.

Pittsburg Dispatch.

French Cookery in 1578.
"The French," writes the Venetian ambassador in 1578, "never spend money so willingly as when they are purchasing food, and making what they term *bonne chere*. This is the reason why butchers, restaurateurs, pastry cooks and tavern keepers abound. There is not a street in which you do not find them. Would you purchase meat, either dead or alive? You wish to do so at any moment. Do you wish your provisions to be sent in dressed? The cooks and pastry cooks, in less than an hour, will furnish you with a dinner or a supper for ten, for twenty or even for a hundred persons.

The rôtisseur provides the meat, the pastry cook the pies, tarts, entrees and desserts; the confectioner contributes the jellies, sauces and ragouts. The art of gastronomy is so far advanced in Paris that you can order dinner at any price, from a treston to a crown, or from one crown to twenty crowns. For this latter sum I verily believe you could obtain mutton soup or roast pheasant, or whatever is most precious in the world."—All the Year Round.

Dr. Talmage's Foresight.

The Rev. T. De Witt Talmage spends his New Year's day in his charming home in one of the pretty Brooklyn streets off Fort Greene park in a thoroughly characteristic way. He receives. His drawing rooms are thrown open to Tom, Dick and Harry, and Mrs. Talmage and her daughters are kept busy. The reverend gentleman is particularly attentive to newspaper men.

The name of every caller is given to Mr. Talmage's secretary, who sits up stairs busily engaged in making out a list of "prominent people." When the news paper men leave the minister goes to the door with them and hands to each a list of his visitors. "I had it prepared for you," he says affably, "as I know it is what you want."—Epoch.

A Fair Maiden's Strategy.

"Mr. Sampson," she said with a blush, "I want to ask what you may think is a very strange question: Do you know if you 2 Mr. Brown is a gentleman of correct habits?"

Mr. Sampson grew pale, and blushed and hawed: "Well—er—um—yes," he said, "I think he is, but, oh, Miss Smith—Miss Clara—Clara—"

A little later she looked down into her eyes and said: "Why did you ask me about Mr. Brown, darling?"

"Because I fancied he is becoming interested in a very dear friend of mine," said the girl, unobtrusively.

THE KNOCK ALPHABET.

VARIOUS ACOUSTIC METHODS USED IN RUSSIAN PRISONS.

How Knocks and Scratches on the Wall Are Made to Represent Words and Phrases by Which Prisoners May Hold Communication.

"And now for the 'knock language,' or 'knock alphabet.' There is a multitude of such alphabets at the various political prisons of Russia and Siberia, almost every one having an alphabet of its own. The simplest system is: One knock at the wall signifies a, two knocks b, three knocks c, etc. But as the Russian system is tiresome and inconvenient, and to facilitate it various acoustic methods are used. A knock at a wall with the end of a finger sounds different from a knock with a knuckle. A thumb nail causes another peculiar sound. The sound of the palm of the hand is different from that caused by a fist. All the finger nails at once creates a peculiar sound of their own; the knuckles make the knock sound different than the finger ends, or the wrist, or elbow. Again various sounds can be elicited with every several finger, once, and the sound of a bass button or a penholder can also be distinguished. The formation of a knock alphabet further depends upon the finger used, the part of the wall by the knocks. A straight line could easily be indicated by two knocks at different points, a triangle by three knocks, a square by four knocks, and so on. The time which elapses between the knocks is also taken into consideration, and some knocks often signify whole words and phrases.

WORDS AND PHRASES.
At the central prison of Belgorod, words frequently used were expressed by knock figures as follows: One knock with the end of the thumb signified yes; several knocks, repeated quickly one after another with the end of the thumb, signified no; a rectangle indicated by a knuckle, meant relatives; a square, friends; comrades, members of the same party; a straight line, what Russian prisoners call "volia," the outside, free world; two straight lines, silver; a triangle, prison; a bow, which was indicated by rubbing a brass button at the wall, prisoner; two parallel lines signified corridor; a vertical line, direction; a crooked line, warner; a semicircle, mediator; a knock at the wall with the elbow, ear, and so on. Several knocks at the wall with the knuckles was a warning: "Don't knock, somebody is coming." Two slow knocks at the wall signified: "Halloo, do you care to speak?" One knock with the knuckles and one with the ends of the fingers went for: "Wait, an hour," and one knock with the whole palm signified: "Now, go on, I am ready to listen." I was expressed by a knock at the wall with the little finger; you, by a knock with the wrist.

Before entering into the minor details of the knock alphabet as it was in use at the central prison of Belgorod, a few preliminary remarks are deemed necessary. There are in the Russian alphabet hard and soft, long and short vowels, so called. Instead of giving their respective names, the correspondents correspondingly use the vowels will be given below for the sake of convenience. The Russian g is pronounced like the English g in get. The Russian j like the French g or j in German or Japanese.

INQUIRY VS. THE CZAR.

The alphabet was composed as follows: One knock at the wall with the large finger stood for a, la, or ya; two knocks with the same finger, e, ie, ion, or ye; one knock with two fingers, i, ie, ea, or y; two knocks with two fingers, o, oa, io, or yo; one knock with the first finger joints, u, ou, or y; one knock with the second joint, u, ou, or y; one knock with the third joint, u, ou, or y; one knock with the fourth joint, u, ou, or y; one knock with the fifth joint, u, ou, or y; one knock with the sixth joint, u, ou, or y; one knock with the seventh joint, u, ou, or y; one knock with the eighth joint, u, ou, or y; one knock with the ninth joint, u, ou, or y; one knock with the tenth joint, u, ou, or y; one knock with the eleventh joint, u, ou, or y; one knock with the twelfth joint, u, ou, or y; one knock with the thirteenth joint, u, ou, or y; one knock with the fourteenth joint, u, ou, or y; one knock with the fifteenth joint, u, ou, or y; one knock with the sixteenth joint, u, ou, or y; one knock with the seventeenth joint, u, ou, or y; one knock with the eighteenth joint, u, ou, or y; one knock with the nineteenth joint, u, ou, or y; one knock with the twentieth joint, u, ou, or y; one knock with the twenty-first joint, u, ou, or y; one knock with the twenty-second joint, u, ou, or y; one knock with the twenty-third joint, u, ou, or y; one knock with the twenty-fourth joint, u, ou, or y; one knock with the twenty-fifth joint, u, ou, or y; one knock with the twenty-sixth joint, u, ou, or y; one knock with the twenty-seventh joint, u, ou, or y; one knock with the twenty-eighth joint, u, ou, or y; one knock with the twenty-ninth joint, u, ou, or y; one knock with the thirtieth joint, u, ou, or y; one knock with the thirty-first joint, u, ou, or y; one knock with the thirty-second joint, u, ou, or y; one knock with the thirty-third joint, u, ou, or y; one knock with the thirty-fourth joint, u, ou, or y; one knock with the thirty-fifth joint, u, ou, or y; one knock with the thirty-sixth joint, u, ou, or y; one knock with the thirty-seventh joint, u, ou, or y; one knock with the thirty-eighth joint, u, ou, or y; one knock with the thirty-ninth joint, u, ou, or y; one knock with the fortieth joint, u, ou, or y; one knock with the forty-first joint, u, ou, or y; one knock with the forty-second joint, u, ou, or y; one knock with the forty-third joint, u, ou, or y; one knock with the forty-fourth joint, u, ou, or y; one knock with the forty-fifth joint, u, ou, or y; one knock with the forty-sixth joint, u, ou, or y; one knock with the forty-seventh joint, u, ou, or y; one knock with the forty-eighth joint, u, ou, or y; one knock with the forty-ninth joint, u, ou, or y; one knock with the fiftieth joint, u, ou, or y; one knock with the fifty-first joint, u, ou, or y; one knock with the fifty-second joint, u, ou, or y; one knock with the fifty-third joint, u, ou, or y; one knock with the fifty-fourth joint, u, ou, or y; one knock with the fifty-fifth joint, u, ou, or y; one knock with the fifty-sixth joint, u, ou, or y; one knock with the fifty-seventh joint, u, ou, or y; one knock with the fifty-eighth joint, u, ou, or y; one knock with the fifty-ninth joint, u, ou, or y; one knock with the sixtieth joint, u, ou, or y; one knock with the sixty-first joint, u, ou, or y; one knock with the sixty-second joint, u, ou, or y; one knock with the sixty-third joint, u, ou, or y; one knock with the sixty-fourth joint, u, ou, or y; one knock with the sixty-fifth joint, u, ou, or y; one knock with the sixty-sixth joint, u, ou, or y; one knock with the sixty-seventh joint, u, ou, or y; one knock with the sixty-eighth joint, u, ou, or y; one knock with the sixty-ninth joint, u, ou, or y; one knock with the seventieth joint, u, ou, or y; one knock with the seventy-first joint, u, ou, or y; one knock with the seventy-second joint, u, ou, or y; one knock with the seventy-third joint, u, ou, or y; one knock with the seventy-fourth joint, u, ou, or y; one knock with the seventy-fifth joint, u, ou, or y; one knock with the seventy-sixth joint, u, ou, or y; one knock with the seventy-seventh joint, u, ou, or y; one knock with the seventy-eighth joint, u, ou, or y; one knock with the seventy-ninth joint, u, ou, or y; one knock with the eightieth joint, u, ou, or y; one knock with the eighty-first joint, u, ou, or y; one knock with the eighty-second joint, u, ou, or y; one knock with the eighty-third joint, u, ou, or y; one knock with the eighty-fourth joint, u, ou, or y; one knock with the eighty-fifth joint, u, ou, or y; one knock with the eighty-sixth joint, u, ou, or y; one knock with the eighty-seventh joint, u, ou, or y; one knock with the eighty-eighth joint, u, ou, or y; one knock with the eighty-ninth joint, u, ou, or y; one knock with the ninetieth joint, u, ou, or y; one knock with the ninety-first joint, u, ou, or y; one knock with the ninety-second joint, u, ou, or y; one knock with the ninety-third joint, u, ou, or y; one knock with the ninety-fourth joint, u, ou, or y; one knock with the ninety-fifth joint, u, ou, or y; one knock with the ninety-sixth joint, u, ou, or y; one knock with the ninety-seventh joint, u, ou, or y; one knock with the ninety-eighth joint, u, ou, or y; one knock with the ninety-ninth joint, u, ou, or y; one knock with the hundredth joint, u, ou, or y; one knock with the hundred-first joint, u, ou, or y; one knock with the hundred-second joint, u, ou, or y; one knock with the hundred-third joint, u, ou, or y; one knock with the hundred-fourth joint, u, ou, or y; one knock with the hundred-fifth joint, u, ou, or y; one knock with the hundred-sixth joint, u, ou, or y; one knock with the hundred-seventh joint, u, ou, or y; one knock with the hundred-eighth joint, u, ou, or y; one knock with the hundred-ninth joint, u, ou, or y; one knock with the hundred-tenth joint, u, ou, or y; one knock with the hundred-eleventh joint, u, ou, or y; one knock with the hundred-twelfth joint, u, ou, or y; one knock with the hundred-thirteenth joint, u, ou, or y; one knock with the hundred-fourteenth joint, u, ou, or y; one knock with the hundred-fifteenth joint, u, ou, or y; one knock with the hundred-sixteenth joint, u, ou, or y; one knock with the hundred-seventeenth joint, u, ou, or y; one knock with the hundred-eighteenth joint, u, ou, or y; one knock with the hundred-nineteenth joint, u, ou, or y; one knock with the hundred-twentieth joint, u, ou, or y; one knock with the hundred-twenty-first joint, u, ou, or y; one knock with the hundred-twenty-second joint, u, ou, or y; one knock with the hundred-twenty-third joint, u, ou, or y; one knock with the hundred-twenty-fourth joint, u, ou, or y; one knock with the hundred-twenty-fifth joint, u, ou, or y; one knock with the hundred-twenty-sixth joint, u, ou, or y; one knock with the hundred-twenty-seventh joint, u, ou, or y; one knock with the hundred-twenty-eighth joint, u, ou, or y; one knock with the hundred-twenty-ninth joint, u, ou, or y; one knock with the hundred-thirtieth joint, u, ou, or y; one knock with the hundred-thirty-first joint, u, ou, or y; one knock with the hundred-thirty-second joint, u, ou, or y; 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one knock with the hundred-thirty-ninth joint, u, ou, or y; one knock with the hundred-thirtieth joint, u, ou, or y; one knock with the hundred-thirty-first joint, u, ou, or y; one knock with the hundred-thirty-second joint, u, ou, or y; one knock with the hundred-thirty-third joint, u, ou, or y; one knock with the hundred-thirty-fourth joint, u, ou, or y; one knock with the hundred-thirty-fifth joint, u, ou, or y; one knock with the hundred-thirty-sixth joint, u, ou, or y; one knock with the hundred-thirty-seventh joint, u, ou, or y; one knock with the hundred-thirty-eighth joint, u, ou, or y; one knock with the hundred-thirty-ninth joint, u, ou, or y; one knock with the hundred-thirtieth joint, u, ou, or y; one knock with the hundred-thirty-first joint, u, ou, or y; one knock with the hundred-thirty-second joint, u, ou, or y; one knock with the hundred-thirty-third joint, u, ou, or y; one knock with the hundred-thirty-fourth joint, u, ou, or y; one knock with the hundred-thirty-fifth joint, u, ou, or y; 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