

Research Services

<https://www.essayhave.com/research-paper-writing-service.html>

The first information about the design of the elevator can be found in the works of the mechanics and architect Mark Vitruvia Polulion, who lived in Rome in the first century to N. NS. At the same time, he referred to the ancient Greek scientist Archimedes, who, allegedly, built a similar device in 236 BC. Currently, only in Russia there are about 400,000 elevators.

Doctors warn that after each elevator visit, it is necessary to wash your hands thoroughly. For example, experts from the University of Arizona conducted a study, during which it was found that pathogenic bacteria on the elevator buttons are much greater than on the seats of public toilets.

And the statistics that everything knows, claims that about 85% of the inhabitants are used in metropolitis elevators. Currently, about 7 billion people live on planet Earth, such a number of people all the elevators of the world, taken together, are transported in just a few days.

In 1861, the inventor from the United States Elisha Graves Otis patented the world's first electric elevator. For that time, he demonstrated an incredible speed of 2 meters per second. In the end of the eighties of the XIX century, it was the electric elevators of the OTIS firm that began to install in New York skyscrapers. Even earlier, in 1854, Ottes invented the catering device, which is intended for emergency stopping and holding the elevator cab in the occurrence of abnormal situations.

There were no large number of high-rise structures in the Russian Empire, therefore, there were not many elevators. Given the huge free territories, even in large cities there was no special need to build a special need. Massively, the production of elevators in the Soviet Union was established only in the middle of the last century.

In the famous Comedy, Leonid Gaidai Ivan Vasilyevich changes the profession, the king, who caught the fault of Timofeev's engineer in the twentieth century, was stuck in the elevator. And where is this cabin, in which Ivan Grozny was closed? In fact, it is just a scenery built in the Pavilion of the film studio.

Currently, Hitachi from Japan is a recognized world leader in the production of high-speed elevators. The elevators produced by this company are able to develop speed up to 75 kilometers per hour. Even automatic pressure control system is installed in the cabins. This is done so that the passengers do not have discomfort from what the ears are laid.

Stuck in the elevator, of course, unpleasant. Even just a few minutes. And even more so almost for two days. And this is not a joke, such an incident really happened in December 1999. An employee of the American magazine BusinessWeek Nicholas White late in the evening on Friday descended in an elevator from the office. Because of the voltage jump, the cabin stopped. They freed it only

after 41 hours. All this time, video surveillance cameras fixed the suffering of the prisoner.

An unusual elevator was designed and installed on the Connecticut River in the USA. And his unusualness is that it is intended for fish. Alose, a rare species of fish from the family of herring, while spawning rises upstream in shallow water. An insurmountable obstacle on its path is the dam with a height of about 100 meters. When environmentalists began to beat the alarm, specialists from the company for the production of elevators took. Now annually more than 30,000 fish use the services of this elevator.

Elevator manufacturers seek to do everything so that the lifting and descent of passengers is as comfortable and safe as possible. Nevertheless, injuries and even fatal tragedies are happening. According to statistics in Russia, dozens of people annually receive injuries in elevators. Unfortunately, it often happens that the causing passengers who neglect the elementary safety regulations become the cause of accidents.

Naturally, the floor in the elevator cabin is mandatory. But, sometimes manufacturers try to rush the nerves of users. For example, in one of the skyscrapers of New Zealand, the cabin without a floor raises passengers to a height of 328 meters. In fact, the floor, of course, is, but it is almost unnoticed, as it is made of transparent glass.

In Sears Tower, the highest Chicago building, installed as many as 106 elevators. Moreover, 16 of them are two-storey, they are able to receive and disembark passengers at once on two floors. And the speed of movement of such elevators is 488 meters per minute.

What needs to be taken in case of falling the cabin of the elevator? Soviets at such a case are given a lot, but experts claim that they need to lie on the back to occupy as much as possible floor. In this case, the impact force will be maximally distributed over the body surface, which will allow the probability of injury to a minimum. When falling from the 15th floor, the elevator cabin accelerates to 45 kilometers per hour.