## A HAIRY ELEPHANT.

especially of naturalists, was directed to a couple of with a ferocious roar destroy us." very extraordinary elephants imported from Sumatra. One of these creatures, although full grown, was no for the comparatively pygmy proportions of the Sumalarger than a goat; and the other, here illustrated by tra elephant, reminds one of its appearance. It is a drawing from a photograph, though larger, was still nevertheless a very intelligent animal, and has been more noticeable on account of the singular approxitaught many tricks, among which may be adduced mation exhibited in shape and general appearance to that of riding on a velocipede and walking a tight the extinct elephant or mammoth (Elephas primi- rope. It was lately in the possession of Mr. Reiche, the genius), the resemblance being still further enhanced celebrated importer of wild animals, and the photoby a heavy growth of rusty brown and black hair graph from which the illustration appended was This hair, as shown in the illustration, is thickest on copied, was taken on his private grounds at Hoboken, the chin, head, and along the back, on which it forms New Jersey. a sort of mane. The lowness of the forehead, the peculiar situation of the eye and ear, the abrupt falling off at the hinder quarter, are features peculiar to this creature among living elephants, and irresistibly ings, being cut off from egress, meet with fatal results, remind one of the restorations of the manumoth given there is a general cry for a more rigid enforcement of in encyclopedias and text-books.

elephant, are given. As is well known, this last garding the fire escape that is generally used now-a species has been found in Siberia in a frozen state common iron ladder bolted either to the front or side beautifully preserved, with the hair and tissues in of a building, as an example we will say a hotel. Now, have been made of them, and these two agree in ap- life under certain conditions; that is, provided a man pearance and character in a very remarkable manner is a sailor, used to climbing, and also that he sleeps in the carts as they groaned up the hill, coming from the this is an instance of what is called by Huxley cumstances other than these, a ladder is a mere mockof those experimental varieties occasionally thrown off posed that one woman or child in a hundred would from the parent stock, that are, according to the devel- have presence of mind enough to first find and then opment theory, the origin of new species? In either descend a ladder. Again, the persons whose rooms the case it comprises a state and collection of facts that ladder reaches, upon retiring lock and bolt their doors, involve questions for discussion and decision of the and very likely in case of fire will quickly descend the greatest possible interest to naturalists. Nor is the ladder leaving those whose rooms are not so favorably likeness this animal bears to the Siberian mammoth situated to escape as best they can. I have never yet one based upon a merely supposititious restoration, learned where a stationary ladder was the means of for these extinct elephants are discovered from time saving human life. to time in as excellent a state of preservation as if they had recently died. No less than four such good example of the inefficiency of the stationary ladanimals have been discovered since the beginning of this century, the last one as late as eighteen hundred so excited that they could not act for themselves, but and forty-six. A young Russian engineer, Benkendorf even those who would do so were driven back by the by name, who was employed by the government in a survey of the coast of the mouth of the Lena and Indigirka, was dispatched up the latter stream in the year were slowly burned to death. At a recent fire chiefs' mentioned, in command of a small iron steam cutter. He writes the following account to a friend in Germany: that depended upon the inmates of buildings for action "In 1846, there was a most unusual term of warm was practically useless, weather in Northern Siberia. Already, in May, exceptionally heavy rains poured over the moors and bogs, storms shook the earth, and the streams car- ed, and moved to any window in the building, and ried not only ice to the sea, but large tracts of land rescue three or four men, women, or children at one thawed by the masses of warm water furnished by the southern rains."

After an eight days' journey, meeting many hinderances and perils from the ice floods and drifts, Benkendorf and his companions reached a place called Ujandina. Here they found the river had torn itself a new channel, leaving in its former bed only an insignificant stream. "Afterward," he says, "we landed on the new shore, where we made a wonderful discovery. The stream tore up the soft, wet ground like chaff, so that it was dangerous to go near the brink. Suddenly our hunter, always vigilant, called loudly and pointed to a strange, misshapen object, which rose and sank in the boiling turbulence of the waters. I had seen it before, but had not noticed it particularly, considering it only driftwood. Now we all hastened to the spot on the shore, had the boat drawn near. and waited until the mysterious thing should again Our patience was tried, but at last a black, horrible, giant-like mass was thrust out of the water, and we beheld a colossal elephant's head, armed with mighty tusks, with its long trunk moving in the water in an unearthly manner, as though seeking for something lost therein.

'Breathless with astonishment, I beheld the monster only twelve feet from me, with his half-opened eyes yet, as we stood by was a bit of iron, which the guide being wrought out by machinery in various branches showing the whites. . . . Picture to yourself an elewith a body covered with thick fur, an elephant thirteen feet high and fifteen feet in length, with tusks eight feet long, thick, and curving outward. The animal was fat and well grown; death had overtaken him in the fullness of his powers. His great ears lay fearfully turned up on his head. About the shoulders and back he had stiff hair, about a foot in length, like a mane. The long, outer hair was deep brown and coarsely root. The top of the head looked so wild, and was so penetrated with pitch, that it looked like the rough bark of an old oak tree. On the sides it was cleaner, and under the outer hair there appeared everywhere a wool very soft, warm, and thick, and of a yellow-brown color. The giant was well protected against the cold. The whole appearance of the animal was fearfully wild and strange. It had not the appearance of our present elephants. It head was rough, the brain case low, but the trunk and mouth were much larger. The

Much in this graphic description, making allowances

## Fire Escapes,

After each large fire wherein the inmates of buildthe law compelling owners of large blocks and hotels In order to show this more clearly, drawings of the and workshops to erect suitable fire escapes. Now, the heads of the two living species, the Asiatic and African, question arises, Whatconstitutes asuitable fire escape? together with that of the restored extinct Siberian In the first place, I would like to argue pro and con. reso excellent a condition that microscopical sections in case of a fire, this is all that is desired to save a man's with those of the animal represented. Can it be that the same room that the ladder reaches. But with cir-"breeding back," or is it only a sport of nature, one ery, for the following reasons: It is never to be sup-

The Milwaukee hotel fire, a few years ago, gives us a ders upon that building. Nearly all the inmates were dense smoke, and in order to keep from suffocating were obliged to stay at the windows, and as a result convention, the opinion was given that a fire escape

What is needed is an escape that is manipulated by persons on the ground—one that can be raised, lowertime. There are patent fire escapes innumerable, some embracing ideas that are mithout doubt very ingenious, but they all contain this one great fault, they are not handled by persons on the ground. Again, architects and builders should take into consideration the fact that fire escapes, as they are now made, are not an enhancement to the good appearance of buildings. - F. C. B., Amer. Builder.

## Excavations at Pompeii.

A correspondent writes as follows to the N. Y. Journal of Commerce:

It seems odd to speak of a dead city as a growing one. But that is exactly the case with Pompeii. There are many cities in Italy that do not grow half as fast as the one buried by the ashes of Vesuvius 1,800 years ago. A person visiting it at intervals of a year notices a marked enlargement of its boundaries. The Italians, you know, are the champion diggers. They make the shovel fly when they attack the grave of Pompeii. We saw a gang of them at work there. A Government overseer watched them like a hawk. He wanted to be sure that they pocketed no jewelry, coins, or objects of art or utility yielded by the excavations. The only produce of their toil in that line and complicated processes which are now every day called a hinge, and the fragment of a small marble of manufacture would have been possible? Thus it is column. The spades busily plied were gradually bringing to light a beautiful house. The floors were accomplished facts by another. Who shall say that mosaic, with simple but graceful designs in scroll pattern-nearly as fresh of color as if laid yesterday. The walls bore • frescoes of fainter tints—grinning masks, fawns, cupids, birds, fish, and fruit. It had matter becomes almost miraculously endowed with evidently been the home of a well-to-do citizen of life and intelligence, and with great accuracy performs Pompeii. The nervous movements of the workmen those functions which the most skilled manual labor betrayed their anxiety. They were hoping at every moment to make a valuable "find." Perhaps they might hit upon a great iron chest, studded with round knobs like a boiler, and full of gold, 'money, or ornaments, or they might strike another wonder in marble or bronze, or they might be startled by coming suddenly upon a skull or other human remains. In the latter event, the work is suspended till a careful inspection is made.

The responsible and intelligent person in charge proteeth were very powerful. I could not divest myself of ceeds to ascertain if the dead Pompeiian has left a cents, but the storekeeper was reluctant to receive it a feeling of fear as I approached the head; the broken, mould of himself or herself in the plastic ashes. If for its true value, one cent.

widely opened eyes gave the animal an appearance of so, he prepares a mixture of plaster of Paris, breaks a Some time since the attention of scientific men, and life, as though at any moment it might start up, and hole in the crust, and slowly pours in the liquid till the mould is full. When it has hardened, the casting is tenderly removed. Lo! there is a rough image, showing some poor creature in the agonies of death, prone on the floor, face downward.

Thus, most usually, were the inhabitants of the doomed city caught by the destroying angel. The skull, or leg, or arm, or whatever other part of the skeleton has not relapsed into its original dust, may attach itself to the plaster cast in the proper place, or may require to be joined on by a pardonable "restoration." In either case, the effect is thrilling in its horrible reality. Nothing in painting or sculpture can shock the beholder more than these self-produced and truthful statues exhibited in the museum, which is the first and most interesting thing shown to visitors. But, though neither gold nor silver, nor the minutest scrap of a skeleton, nor anything else of importance was unearthed for my benefit, I quitted the new excavations with reluctance to examine those parts of Pompeii with which the world is already familiar through the medium of books and pictures. I found myself quite at home in the bakery, the wine shop, at the oil merchant's, at the houses of Pansa, of Sallust, of the "Tragic Poet," and the rest. The high stepping stones across the streets looked familiar, as if I had trodden them before. The deep ruts cut by ancient Stabia, were like friendly landmarks. So fully have literature and art made us acquainted with this disinterred city.

The guide tells me that only about one-third of Pompeii has yet been uncovered. I take his word for it. He is also of the opinion that the best parts of the city have already been dug out. He evidently wishes that the work would stop. He is very human in this, for he finds it tiresome to show people about the present Pompeii. Treble its size, and his labor would be threefold. And he is forbidden to accept money. But I imagine that this very stern prohibition does not prevent persons from offering him (say) a couple of francs on "the sly," or him from accepting them.

It may be true, as our guide insists, that the temples, forums, baths, theaters, and fine houses now above ground surpass anything of the kind that may hereafter be discovered at Pompeii. But the Italian Government is not disposed to take that for granted. Liberal sums are yearly appropriated to push on the work. It bears fruits. A new temple or amphitheater may not be struck every year, but something is constantly being turned up to instruct the world in the manners and customs of the old Romans, so well reflected in the representative city of Pompeii. Of bronze or stone statues, household implements, and tools of trades, the yield is immense and steady. These may be counted by the thousand in the splendid museum at Naples. One can see so many articles of luxury and use exactly similar to those he buys nowadays, that he is fain to pause and try to remember what besides the steam engine, the photograph, and the electric telegraph we moderns have invented. There being no more room at Naples to store these treasures, the excess of them is huddled together in the courtyards and houses of Pompeii herself. It is estimated that at the present rate this mine of antiquities will not be worked out in fifty years.

## Machinery and its Possibilities.

Those who entertain the opinion that the possibilities of labor saving machinery are nearly exhausted. and that the whole field of art industry in which it may be advantageously employed has been already covered by inventive genius, are greatly mistaken. That the achievements of human ingenuity have been wonderful goes without saying, and there are reasons to believe that future triumphs in this direction will be even greater and more fruitful. We are forced to this conclusion by reason and analogy. Who would have believed, only a very few years ago, that the difficult that the problems unsolved by one generation become what now seems impossible and improbable may not be successfully attained by those who will come after us? In the hands of the modern scientific inventor, executes but slowly and imperfectly.—Manufacturers' Gazette.

A MAN in London proposes for a paltry sixpence to furnish a miraculous preparation that will enable any one to turn pennies into sovereigns. The writer recollects in his boyish days that he tried to convert pennies into silver quarters with a solution of nitrate of mercury, and the trouble he experienced was not merely that he could not pass the transmuted coin for 25