



JULES VERNE'S TOMBSTONE AT AMIENS
PORTRAYING HIS IMMORTALITY

AMAZING STORIES

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Our Cover

shows the great Ark ready for launching. It is protected from attack of the maddened population by an electrified barrier. Though warned of the coming deluge, humanity scoffed, and now faces with death the neglect to build similar arks in which to escape.

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THE TIME ELIMINATOR, by Kaw. This is a scientific love story. By utilizing light waves produced in the remote past, the events of preceding centuries and years are thrown upon a screen and a bride is won thereby; but how?

THE LORD OF THE WINDS, by Augusto Bisiri. A great scientist has a project for controlling the climate of the hemisphere, or at least of the northern part. The project is a gigantic one in its plant and possibilities, but the inventor eventually perishes when approaching his triumph.

THE EDUCATED HARPOON, by Charles S. Wolfe. This is a wonderful detective story. A highly scientific instrument is devised for purposes of crime but the criminal overlooked one detail and was caught.

THE SECOND DELUGE, by Professor Garrett P. Serviss. The second installment of this engrossing story. Read about the Noah of the future, who built his ark out of a marvelous light metal of the coming ages.

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A DRAMA In the AIR

~ By Jules Verne ~

Author of "20,000 Leagues Under the Sea", etc.



Despair galvanized me. I threw myself upon the madman, we struggled together, and a terrible conflict took place. But I was thrown down, and while he held me under his knee, the madman was cutting the cords of the car. . . . The car fell, but I instinctively clung to the cords and hoisted myself into the meshes of the netting.



N the month of September, 185—, I arrived at Frankfort-on-the-Main. My passage through the principal German cities had been brilliantly marked by balloon ascents; but as yet no German had accompanied me in my car, and the fine experiments made at Paris by MM. Greene, Eugene Godard, and Poitevin had not tempted the grave Teutons to essay aerial voyages.

But scarcely had the news of my approaching ascent spread through Frankfort, than three of the principal citizens begged the favor of being allowed to ascend with me. Two days afterwards we were to start from the Place de la Comédie. I began at once to get my balloon ready. It was of silk, prepared with gutta percha; and its volume, which was three thousand cubic yards, enabled it to ascend to the loftiest heights.

The day of the ascent was that of the great September fair, which attracts so many people to Frankfort. Lighting gas, of perfect quality and great lifting power, had been furnished me, and about eleven o'clock the balloon was filled; but only three-quarters filled,—an indispensable precaution, for, as one rises, the atmosphere diminishes in density, and the fluid enclosed within the balloon, acquiring more elasticity, might burst its sides. My calculations told me exactly the quantity of gas necessary to carry up my companions and myself.

We were to start at noon. The impatient crowd which pressed around the enclosed square, overflowing into the contiguous streets, and covering the houses from the ground-floor to the slated gables, presented a striking scene.

I carried three hundred pounds of ballast in bags; the car, quite round, four feet in diameter, was comfortably arranged; the hempen cords which supported it stretched symmetrically over the upper hemisphere of the balloon; the compass was in place, the barometer suspended in the circle which united the supporting cords, and the anchor put in order. All was now ready for the ascent.

Among those who pressed around the enclosure, I remarked a young man with a pale face and agitated features. The sight of him impressed me. He was an eager spectator of my ascents, whom I had already met in several German cities. With an uneasy air, he closely watched the curious machine, as it lay motionless a few feet above the ground; and he remained silent among those about him.

Twelve o'clock came. The moment had arrived, but my traveling companions did not appear.

I sent to their houses, and learnt that one had left for Hamburg, another for Vienna, and the third for London. Their courage had failed them at undertaking one of those excursions which, thanks to the improvement in aeronautics are free from all danger. As they formed, in some sort, a part of the programme of the day, the fear had seized them

that they might be forced to execute it faithfully, and they had fled far from the scene at the instant when the balloon was being filled. Their heroism was evidently in inverse ratio to their speed—in decamping.

The multitude, half deceived, showed not a little ill humor. I did not hesitate to ascend alone. In order to re-establish the equilibrium between the specific gravity of the balloon and the weight which had thus proved wanting, I replaced my companions by more sacks of sand, and got into the car. The twelve men who had held the balloon by twelve cords, let these slip a little between their fingers, and the balloon rose several feet higher. There was not a breath of wind, and the atmosphere was so laden that it seemed to forbid the ascent.

"Is everything ready?" I cried.

The men put themselves in readiness. A last glance told me that I might go. "Attention!"

There was a movement in the crowd, which seemed to be invading the enclosure.

"Let go!"

The balloon rose slowly, but I experienced a shock which threw me to the bottom of the car.

When I got up, I found myself face to face with an unexpected fellow-voyager,—the pale young man.

"Monsieur, I salute you," said he, with utmost coolness.

"By what right——"

"Am I here? By the right which the impossibility of your getting rid of me confers."

I was amazed! His calmness put me out of countenance, and I had nothing to reply. I looked at the intruder but he took no notice of my astonishment.

"Does my weight disarrange your equilibrium, monsieur?" he asked. "You will permit me—" and without waiting consent, he picked up two bags and emptied them into space.

"Monsieur," said I, taking the only course now possible, "you have come; very well, you will remain; but to me alone belongs the management of the balloon."

"Monsieur," said he, "your urbanity is French all over: it comes from my country. I morally press the hand you refuse me. Make all precautions, and act as seems best to you. I will wait till you have done——"

"For what?"

"To talk with you."

The barometer had fallen to twenty-six inches. We were nearly six hundred yards from the city; but nothing betrayed the horizontal displacement of the balloon, for the mass of air in which it is enclosed goes forward with it. A sort of confused glow enveloped the objects spread out under us, and fortunately obscured their outline.

I examined my companion afresh. He was a man of thirty years, simply clad. The sharpness of his features betrayed an indomitable energy, and he seemed very muscular. Indifferent to the astonishment he created, he remained motionless, trying in

THIS was one of the very first stories published by our well-known author, appearing soon after 1850. It is perhaps not of the fine quality of some of Verne's later works, but it is a little gem in itself, because, without a doubt, it holds your interest, short as it is, has plenty of excitement and a good deal of action. Moreover, it is not only probable, but in a newspaper account some years ago, the identical thing happened in a slightly different setting. It probably will happen again. We know that you will like "A Drama in the Air."

the meantime to distinguish the objects below us.

"Miserable mist!" said he, after a few moments. I did not reply.

"You owe me a grudge?" he went on. "Bah! I could not pay for my journey, and it was necessary to take you by surprise."

"Nobody asks you to descend, monsieur!"

"Eh, do you not know, then, that the same thing happened to the Counts of Laurencin and Dampierre, when they ascended at Lyons, on the 15th of January, 1784? A young merchant, named Fontaine, scaled the gallery, at the risk of capsizing the machine. He accomplished the journey, and nobody died of it!"

"Once on the ground, we will have an explanation," replied I, piqued at the light tone in which he spoke.

"Bah! Do not let us think of our return."

"Do you think, then, I shall not hasten to descend?"

"Descend!" said he, in surprise. "Descend? Let us begin by first ascending."

And before I could prevent it, two more bags had been thrown out of the car, without even having been emptied.

"Monsieur!" cried I, in a rage.

"I know your ability," replied the unknown quietly, "and your fine ascents are famous. But if Experience is the sister of Practice, she is also a cousin of Theory, and I have studied the aerial art long. It has got into my head!" he added sadly, falling into a silent reverie.

The balloon, having risen some distance farther, now become stationary. The unknown consulted the barometer and said, "Here we are, at eight hundred yards. Men are like insects. See! I think we should always contemplate them from this height, to judge correctly of their proportions. The Place de la Comédie is transformed into an immense ant-hill. Observe the crowd which is gathered on the quays; and the mountains also get smaller and smaller. We are over the Cathedral. The Main is only a line, cutting the city in two, and the bridge seems a thread thrown between the two banks of the river."

The atmosphere became somewhat chilly.

"There is nothing I would not do for you, my host," said the unknown. "If you are cold, I will take off my coat and lend it to you."

"Thanks," said I dryly.

"Bah! Necessity makes law. Give me your hand. I am your fellow-countryman; you will learn something in my company, and my conversation will indemnify you for the trouble I have given you."

I sat down, without replying, at the opposite extremity of the car. The young man drew a voluminous manuscript from his coat. It was an essay on ballooning.

"I possess," said he, "the most curious collection of engravings and caricatures extant concerning aerial manias. How people admired and scoffed at the same time at this precious discovery! We are happily no longer in the age in which Montgolfier tried to make artificial clouds with steam, or a gas having electrical properties, produced by the combustion of moist straw and chopped-up-wool."

"Do you wish to depreciate the talent of the in-

ventors?" I asked, for I had resolved to enter into the adventure. "Was it not good to have proved by experience the possibility of rising in the air?"

"Ah, monsieur, who denies the glory of the first aerial navigators? It required immense courage to rise by means of those frail envelopes which only contained heated air. But I ask you, has the aerial science made great progress since Blanchard's ascensions, that is, since nearly a century ago? Look here, monsieur."

The unknown took an engraving from his portfolio.

"Here," said he, "is the first aerial voyage undertaken by Pilâtre des Rosiers and the Marquis d'Arlandes, four months after the discovery of balloons. Louis XVI. refused to consent to the venture, and two men who were condemned to death were the first to attempt the aerial ascent. Pilâtre des Rosiers became indignant at this injustice, and, by means of intrigues, obtained permission to make the experiment. The car, which renders the management easy, had not been invented, and a circular gallery was placed around the lower and contracted part of the Montgolfier balloon. The two aeronauts must then remain motionless at each extremity of this gallery, for the moist straw which filled it forbade them all motion. A chafing-dish with fire was suspended below the orifice of the balloon; when the aeronauts wished to rise, they threw straw upon this brazier, at the risk of setting fire to the balloon, and the air, more heated, acquired fresh ascending power. The two bold travelers rose, on the 21st of November, 1783, from the Murette Gardens, which the dauphin had put at their disposal. The balloon went up majestically, passed over the Isle of Swans, crossed the Seine at the Conference barrier, and, drifting between the dome of the Invalides and the Military School, approached the Church of Saint Sulpice. Then the aeronauts added to the fire, crossed the Boulevard, and descended beyond the Enfer barrier. As it touched the soil, the balloon collapsed, and for a few moments buried Pilâtre des Rosiers under it folds."

"Unlucky augury," I said, interested in the story, which affected me nearly.

"An augury of the catastrophe which was later to cost this unfortunate man his life," replied the unknown sadly. "Have you never experienced anything like it?"

"Never."

"Bah! Misfortunes sometimes occur unforeshadowed!" added my companion. He then remained silent.

We were drifting southward, and Frankfort had already passed from beneath us.

"Perhaps we shall have a storm," said the young man.

"We shall descend before that," I replied.

"Better to ascend. We shall escape it more surely." And two more bags of sand were hurled into space.

The balloon rose rapidly, and stopped at twelve hundred yards. I became colder; and yet the sun's rays, falling upon the surface, expanded the gas within, and gave it a greater ascending force.

"Fear nothing," said the unknown. "We have

still three thousand five hundred fathoms of breathing air. Besides, do not trouble yourself about what I do."

I would have risen, but a vigorous hand held me to my seat. "Your name?" I asked.

"My name? What matters it to you?"

"I demand your name!"

"My name is Erostratus or Empedocles, whichever you choose!"

This reply was far from reassuring. The unknown, besides, talked with such strange coolness that I anxiously asked myself whom I had to deal with.

"Monsieur," he continued, "nothing original has been imagined since the physicist Charles. Four months after the discovery of balloons, this man had invented the valve which permits the gas to escape when the balloon is too full, or when you wish to descend; the car, which aids the management of the machine; the netting, which holds the envelope of the balloon, and divides the weight over its whole surface; the ballast, which enables you to ascend, and to choose the place of your landing; the india-rubber coating, which renders the tissue impermeable; the barometer, which shows the height attained. Lastly, Charles used hydrogen, which, fourteen times lighter than air, permits you to penetrate to the highest atmospheric regions, and does not expose you to the dangers of a combustion in the air. On the 1st of December, 1783, three hundred thousand spectators were crowded around the Tuilleries. Charles rose, and the soldiers presented arms to him. He traveled nine leagues in the air, conducting his balloon with an ability not surpassed by modern aeronauts. The king awarded him a pension of two thousand livres; for then they encouraged new inventions."

The unknown now seemed to be under the influence of considerable agitation.

"See, there is Darmstadt," said he, leaning over the car. "Do you perceive the ch[^]teau? Not very distinctly, eh? What would you have? The heat of the storm makes the outline of objects waver, and you must have a skilled eye to recognize localities."

"Are you certain it is Darmstadt? I asked.

"I am sure of it. We are now six leagues from Frankfort."

"Then we must descend."

"Descend! You would not go down on the steeples," said the unknown, with a chuckle.

"No, but the suburbs of the city."

"Well, let us avoid the steeples!"

So speaking, my companion seized some bags of ballast. I hastened to prevent him; but he overthrew me with one hand, and the unballasted balloon ascended to two thousand yards.

"Rest easy," said he, "and do not forget that Brioschi, Biot, Gay-Lussac, Bixio, and Barral ascended to still greater heights to make their scientific experiments."

"Monsieur, we must descend," I resumed, trying to persuade him by gentleness. "The storm is gathering around us. It would be more prudent——"

"Bah! We will mount higher than the storm, and then we shall no longer fear it!" cried my companion. "What is nobler than to overlook the clouds which oppress the earth? Is it not an honor thus to navi-

gate on aerial billows? The greatest men have traveled as we are doing. The Marchioness and Countess de Montalembert, the Countess of Podenas, Mademoiselle la Garde, the Marquis de Montalembert, rose from the Faubourg Saint-Antoine for these unknown regions, and the Duke de Chartres exhibited much skill and presence of mind in his ascent on the 15th of July, 174. At Lyons, the Counts of Laurencin and Dampierre; at Nantes, M. de Luynes; at Bordeaux, D'Arbelet des Granges; in Italy, the Chevalier Andreani; in our own time, the Duke of Brunswick,—have all left traces of their glory in the air. To equal these great personages, we must penetrate still higher than they into the celestial depths! To approach the infinite is to comprehend it!"

The rarefaction of the air was fast expending the hydrogen in the balloon, and I saw its lower part, purposely left empty, swell out, so that it was absolutely necessary to open the valve; but my companion did not seem to intend that I should manage the balloon as I wished. I then resolved to pull the valve-cord secretly, as he was excitedly talking; for I feared to guess with whom I had to deal. It would have been too horrible! It was nearly a quarter before one. We had been gone forty minutes from Frankfort; heavy clouds were coming against the wind from the south, and seemed about to burst upon us.

"Have you lost all hope of succeeding in your project?" I asked with anxious interest.

"All hope!" exclaimed the unknown in a low voice. "Wounded by slights and caricatures, these asses' kicks have finished me! It is the eternal punishment reserved for innovators! Look at these caricatures of all periods, of which my portfolio is full."

While my companion was fumbling with his papers, I had seized the valve-cord without his perceiving it. I feared, however, that he might hear the hissing noise, like a water-course, which the gas makes in escaping.

"How many jokes were made about the Abbé Moilan! said he. "He was to go up with Janninet and Bredin. During the filling their balloon caught fire, and the ignorant populace tore it to pieces! Then this caricature of 'curious animals' appeared, giving each of them a punning nickname."

I pulled the valve-cord, and the barometer began to ascend. It was time. Some far-off rumblings were heard in the south.

"Here is another engraving," resumed the unknown, not suspecting what I was doing. "It is an immense balloon carrying a ship, strong castles, houses, and so on. The caricaturists did not suspect that their follies would one day become truths. It is complete, this large vessel. On the left is its helm, with the pilot's box; at the prow are pleasure-houses, an immense organ, and a cannon to call the attention of the inhabitants of the earth or the moon; above the poop there are the observatory and the balloon longboat; in the equatorial circle, the army barrack; on the left, the funnel; then the upper galleries for promenading, sails, pinions; below, the cafés and general storehouse. Observe this pompous announcement: 'Invented for the happiness of the human race, this globe will depart at once for the ports of the Levant, and on its return the pro-

gramme of its voyages to the two poles and the extreme west will be announced. No one need furnish himself with anything; everything is foreseen, and all will prosper. Thus pleasure will be the soul of the aerial company.' All this provoked laughter; but before long, if I am not cut off, they will see it all realized."

We were visibly descending. He did not perceive it!

"This kind of 'game at balloons,'" he resumed, spreading out before me some of the engravings of his valuable collection, "this game contains the entire history of the acrostatic art. It is used by elevated minds, and displayed with dice and counters, with whatever stakes you like, to be paid or received according to where the player arrives."

"Why," said I, "you seem to have studied the science of aerostation profoundly."

"Yes, monsieur, yes! From Phaeton, Icarus, Architas, I have searched for, examined, learnt everything. I could render immense services to the world in this art, if God granted me life. But that will not be!"

"Why?"

"Because my name is Empedocles, or Erostratus."

Meanwhile the balloon was happily approaching the earth; but when one is falling, the danger is as great at a hundred feet as at five thousand.

"Do you recall the battle of Fleurus?" resumed my companion, whose face became more and more animated. "It was at that battle that Contello, by order of the Government, organized a company of balloonists. At the siege of Maubeuge General Jourdan derived so much service from this new method of observation that Contello ascended twice a day with the general himself. The communications between the aeronaut and his agents who held the balloon were made by means of small white, red, and yellow flags. Often the gun and cannon shot were directed upon the balloon when he ascended, but without result. Where General Jourdan was preparing to invest Charleroi, Contello went to the vicinity, ascended from the plain of Jumet, and continued his observations for seven or eight hours with General Morlot, and this no doubt aided in giving us the victory of Fleurus. General Jourdan publicly acknowledged the help which the aeronautical observations had afforded him. Well, despite the services rendered on that occasion and during the Belgian campaign, the year which had seen the beginning of the military career of balloons saw also its end. The school of Meudon, founded by the Government, was closed by Buonaparte on his return from Egypt. And now, what can you expect from the new-born infant? as Franklin said. The infant was born alive; it should not be stifled!"

The unknown bowed his head in his hands for some moments; then rousing himself, he said, "Despite my prohibition, monsieur, you have opened the valve."

I dropped the cord.

"Happily," he resumed, "we have still three hundred pounds of ballast."

"What is your purpose?" said I.

"Have you ever crossed the seas?" he asked.

I turned pale.

"It is unfortunate," he went on, "that we are be-

ing driven towards the Adriatic. That is only a stream; but higher up we may find other currents."

And, without any notice of me, he threw over several bags of sand, then, in a menacing voice, he said, "I let you open the valve because the expanding gas threatened to burst the balloon; but do not do it again!"

Then we went on, "You remember the voyage of Blanchard and Jeffries from Dover to Calais? It was magnificent! On the 7th of January, 1785, there being a north-west wind, their balloon was inflated with gas on the Dover coast. A mistake of equilibrium, just as they were ascending, forced them to throw out their ballast so that they might not go down again, and they only kept thirty pounds. It was too little; for, as the wind did not freshen, they only advanced very slowly towards the French coast. Besides, the permeability of the tissue served to reduce the inflation little by little, and in an hour and a half the aeronauts perceived that they were descending.

"What shall we do?" said Jeffries.

"We are only one quarter of the way over," replied Blanchard, "and very low down. On rising, we shall perhaps meet more favorable winds."

"Let us throw out the rest of the sand."

"The balloon acquired some ascending force, but it soon began to descend again. Towards the middle of the transit the aeronauts threw over their books and tools. A quarter of an hour after, Blanchard said to Jeffries, 'The barometer?'"

"It is going up! We are lost, and yet there is the French coast."

"A loud noise was heard.

"Has the balloon burst?" asked Jeffries.

"No. The loss of the gas has reduced the inflation of the lower part of the balloon. But we are still descending. We are lost! Out with everything useless!"

"Provisions, oars, and rudder were thrown into the sea. The aeronauts were only one hundred yards high.

"We are going up again," said the doctor.

"No. It is the spurt caused by the diminution of the weight, and not a ship in sight, not a bark on the horizon! To the sea with our clothing!"

"The unfortunates stripped themselves, but the balloon continued to descend.

"Blanchard" said Jeffries, "you should have made this voyage alone; you consented to take me; I will sacrifice myself! I shall drop into the water, and the balloon, relieved of my weight, will mount again."

"No, no! It is frightful!"

"The balloon became less and less inflated, and as it doubled up its concavity pressed the gas against the sides, and hastened its downward course.

"Adieu," said the doctor. "God preserve you!"

"He was about to throw himself over, when Blanchard held him back.

"There is one more chance," said he. "We can cut the cords which hold the car, and cling to the net! Perhaps the balloon will rise. Let us hold ourselves ready. But—the barometer is going down! The wind is freshening! We are saved!"

"The aeronauts perceived Calais. Their joy was delirious. A few moments more, and they had

fallen in the forest of Guines. I do not doubt," added the unknown, "that, under similar circumstances, you would have followed Doctor Jeffries' example!"

The clouds roiled in glittering masses beneath us. The balloon threw large shadows on them, and was surrounded as by an aureola. The thunder rumbled below the car. All this was terrifying.

"Let us descend!" I cried.

"Descend, when the sun is up there, waiting for us? Out with more bags!"

And more than fifty pounds of ballast were cast over.

At a height of three thousand five hundred yards we remained stationary. The unknown talked unceasingly. I was in a state of complete prostration, while he seemed to be in his element. "With a good wind, we shall go far," he cried. "In the Antilles there are currents of air which have a speed of a hundred leagues an hour. When Napoleon was crowned, Garnerin sent up a balloon with colored lamps, at eleven o'clock at night. The wind was blowing north-north-west. The next morning, at daybreak, the inhabitants of Rome greeted its passage over the dome of St. Peter's. We shall go farther and higher!"

I scarcely heard him. Everything whirled around me. An opening appeared in the clouds.

"See that city," said the unknown. "It is Spire!"

I leaned over the car and perceived a small blackish mass. It was Spire. The Rhine, which is so large, seemed an unrolled ribbon. The sky was a deep blue over our heads. The birds had long abandoned us, for in that rarefied air they could not have flown. We were alone in space, and I in the presence of this unknown!

"It is useless for you to know whither I am leading you," he said, as he threw the compass among the clouds. "Ah! a fall is a grand thing! You know that but few victims of ballooning are to be reckoned, from Pilâtre des Rosiers to Lieutenant Gale, and that the accidents have always been the result of imprudence. Pilâtre des Rosiers set out with Romain of Boulogne, on the 13th of June, 1785. To his gas balloon he had affixed a Montgolfier apparatus of hot air, so as to dispense, no doubt, with the necessity of losing gas or throwing out ballast. It was putting a torch under a powder-barrel. When they had ascended four hundred yards, and were taken by opposing winds, they were driven over the open sea. Pilâtre, in order to descend, essayed to open the valve, but the valve-cord became entangled in the balloon, and tore it so badly that it became empty in an instant. It fell upon the Montgolfier apparatus, overturned it, and dragged down the unfortunates, who were soon shattered to pieces! It is frightful, is it not?"

I could only reply, "For pity's sake let us descend!"

The clouds gathered around us on every side, and dreadful detonations, which reverberated in the cavity of the balloon, took place beneath us.

"You provoke me," cried the unknown, "and you shall no longer know whether we are rising or falling!"

The barometer went the way of the compass, accompanied by several more bags of sand. We must

have been 5000 yards high. Some icicles had already attached themselves to the sides of the car, and a kind of fine snow seemed to penetrate to my very bones. Meanwhile a frightful tempest was raging under us, but we were above it.

"Do not be afraid," said the unknown. "It is only the imprudent who are lost. Olivari, who perished at Orleans, rose in a paper 'Montgolfier;' his car, suspended below the chafing-dish, and ballasted with combustible materials, caught fire; Olivari fell, and was killed! Mosment rose, at Lille, on a light tray; an oscillation disturbed his equilibrium; Mosment fell, and was killed! Bittorf, at Mannheim, saw his balloon catch fire in the air; and he, too, fell, and was killed! Harris rose in a badly constructed balloon, the valve of which was too large and would not shut; Harris fell, and was killed! Sadler, deprived of ballast by his long sojourn in the air, was dragged over the town of Boston and dashed against the chimneys; Sadler fell, and was killed! Cokling descended with a convex parachute which he pretended to have perfected; Cokling fell, and was killed! Well, I love them, these victims of their own imprudence, and I shall die as they did. Higher! still higher!"

All the phantoms of this necrology passed before my eyes. The rarefaction of the air and the sun's rays added to the expansion of the gas, and the balloon continued to mount. I tried to open the valve, but the unknown cut the cord several feet above my head. I was lost.

"Did you see Madame Blanchard fall?" said he. "I saw her; yes, I! I was at Tivoli on the 6th of July, 1819. Madame Blanchard rose in a small-sized balloon, to avoid the expense of filling, and she was forced to inflate it entirely. The gas leaked out below, and left a regular train of hydrogen in its path. She carried with her a sort of pyrotechnic aureola, suspended below her car by a wire, which she was to set off in the air. This she had done many times before. On this day she also carried up a small parachute ballasted by a firework contrivance, that would go off in a shower of silver. She was to start this contrivance after having lighted it with a port-fire made on purpose. She set out; the night was gloomy. At the moment of lighting her fireworks she was so imprudent as to pass the taper under the column of hydrogen which was leaking from the balloon. My eyes were fixed upon her. Suddenly an unexpected gleam lit up the darkness. I thought she was preparing a surprise. The light flashed out, suddenly disappeared and reappeared, and gave the summit of the balloon the shape of an immense jet of ignited gas. This sinister glow shed itself over the Boulevard and the whole Montmartrte quarter. Then I saw the unhappy woman rise, try twice to close the appendage of the balloon, so as to put out the fire, then sit down in her car and try to guide her descent; for she did not fall. The combustion of the gas lasted for several minutes. The balloon, becoming gradually less, continued to descend, but it was not a fall. The wind blew from the north-west and drove it towards Paris. There were then some large gardens just by the house No. 16, Rue de Provence. Madame Blanchard essayed to fall there without danger; but the balloon and the car struck on the roof of the

house with a light shock. 'Save me!' cried the wretched woman. I got into the street at this moment. The car slid along the roof, and encountered an iron cramp. Madame Blanchard was thrown out of her car and precipitated upon the pavement. She was killed!"

These stories froze me with horror. The unknown was standing with bare head, disheveled hair, baggard eyes! There was no longer any illusion possible. I recognized the horrible truth. I was in the presence of a madman!

He threw out the rest of the ballast, and we must have now reached a height of at least nine thousand yards. Blood spurted from my nose and mouth!

"Who are nobler than the martyrs of science?" cried the lunatic. "They are canonized by posterity."

But I no longer heard him. He bent down to my ear and muttered, "And have you forgotten Zambecarri's catastrophe? Listen. On the 7th of October, 1804, the clouds seemed to lift a little. On the preceding days, the wind and rain had not ceased; but the announced ascension of Zambecarri could not be postponed. His enemies were already bantering him. It was necessary to ascend to save the science and himself from becoming a public jest. It was at Boulogne. No one helped him to inflate his balloon. He rose at midnight, accompanied by Andreoli and Grossetti. The balloon mounted slowly, for it had been perforated by the rain, and the gas was leaking out. The three intrepid aeronauts could only observe the state of the barometer by aid of a dark lantern. Zambecarri had eaten nothing for twenty-four hours. Grossetti was also fasting.

"My friends," said Zambecarri, "I am overcome by cold, and exhausted. I am dying."

"He fell inanimate in the gallery. It was the same with Grossetti. Andreoli alone remained conscious. After long efforts, he succeeded in reviving Zambecarri.

"What news? Whither are we going? How is the wind? What time is it?"

"It is two o'clock."

"Where is the compass?"

"Upset!"

"Great God! The lantern has gone out!"

"It cannot burn in this rarefied air," said Zambecarri.

"The moon had not risen and the atmosphere was plunged in murky darkness. 'I am cold, Andreoli. What shall I do?'"

"They slowly descended through a layer of whitish clouds. 'Sh!' said Andreoli. 'Do you hear?'"

"What?" asked Zambecarri.

"A strange noise."

"You are mistaken. Consider these travelers, in the middle of the night, listening to that unaccountable noise! Are they going to knock against a tower? Are they about to be precipitated on the roofs? 'Do you hear? One would say it was the sea.'

"Impossible!"

"It is the groaning of the waves!"

"It is true."

"Light! light!" After five fruitless attempts,

Andreoli succeeded in obtaining light. It was three o'clock.

"The noise of violent waves was heard. They were almost touching the surface of the sea! 'We are lost!' cried Zambecarri, seizing a bag of sand.

"Help!" cried Andreoli.

"The car touched the water, and the waves came up to their breasts. 'Throw out the instruments, clothes!'"

"The aeronauts completely stripped themselves. The balloon, relieved, rose with frightful rapidity. Zambecarri was taken with vomiting. Grossetti bled profusely. The unfortunate men could not speak, so short was their breathing. They were taken with cold, and they were soon crusted over with ice. The moon looked as red as blood.

"After traversing the high regions for a half-hour, the balloon again fell into the sea. It was four in the morning. They were half submerged in the water, and the balloon dragged them along, as if under sail, for several hours.

"At daybreak they found themselves opposite Pesaro, four miles from the coast. They were about to reach it, when a gale blew them back into the open sea. They were lost! The frightened boats fled at their approach. Happily, a more intelligent boatman accosted them, hoisted them on board, and they landed at Ferrada.

"A frightful journey, was it not? But Zambecarri was a brave and energetic man. Scarcely recovered from his sufferings, he resumed his ascensions. During one of them he struck against a tree; his spirit-lamp was broken on his clothes; he was enveloped in fire, his balloon began to catch the flames, and he came down half consumed.

"At last, on the 21st of September, 1812, he made another ascension at Boulogne. The balloon clung to a tree, and his lamp again set it on fire. Zambecarri fell, and was killed! And in presence of these facts, we would still hesitate! No. The higher we go, the more glorious will be our death!"

The balloon being now entirely relieved of ballast and of all it contained, we were carried to an enormous height. It vibrated in the atmosphere. The least noise resounded in the vaults of heaven. Our globe, the only object which caught my view in immensity, seemed ready to be annihilated, and above us the depths of the starry skies were lost in thick darkness.

I saw my companion rise up before me.

"The hour is come!" he said. "We must die. We are rejected of men. They despise us. We will not endure it. Let us crush them!"

"Mercy!" I cried.

"Let us cut these cords! Let this car be abandoned in space. The attractive force will change its direction, and we shall approach the sun!"

Despair galvanized me. I threw myself upon the madman, we struggled together, and a terrible conflict took place. But I was thrown down, and while he held me under his knee, the madman was cutting the cords of the car. "One!" he cried.

"My God!"

"Two! Three!"

I made a superhuman effort, rose up, and violently repulsed the madman.

"Four!" The car fell, but I instinctively clung to the cords and hoisted myself into the meshes of the netting.

The madman disappeared in space!

The balloon rose to an immeasurable height. A horrible cracking was heard. The gas, too much dilated, had burst the balloon. I shut my eyes—

Some instants after, a damp warmth revived me. I was in the midst of clouds on fire. The balloon turned over with dizzy velocity. Taken by the wind, it made a hundred leagues an hour in a horizontal course, the lightning flashing around it.

Meanwhile my fall was not a very rapid one. When I opened my eyes, I saw the country. I was two miles from the sea, and the tempest was driving me violently towards it, when an abrupt shock forced me to loosen my hold. My hands opened, a

cord slipped swiftly between my fingers, and I found myself on the solid earth!

It was the cord of the anchor, which, sweeping along the surface of the ground, was caught in a crevice; and my balloon, unballasted for the last time, careered off to lose itself beyond the sea.

When I came to myself, I was in bed in a peasant's cottage, at Harderwijk, a village of Gelderland, fifteen leagues from Amsterdam, on the shores of the Zuyder-Zee.

A miracle had saved my life, but my voyage had been a series of imprudences, committed by a lunatic, and I had not been able to prevent them.

May this terrible narrative, though instructing those who read it, not discourage the explorers of the air,

THE END