## OTTO LILIENTHAL'S END.

AN ACCOUNT OF HIS LAST FLIGHTS.

Prof. Wood, Who Was With the Fearless German, Describes Littenthal's Last Experiment-How the Machine Was Started The Fatal "Scaling" of the Aeroplane.

From the Boston Evening Transcript,

Loxpox, Oct. 16.-On Saturday, Aug. 8, I reseived a letter from Otto Lilienthal, asking: 10 to accompany him on the following day to this Rhinow Mountains, a range of high, barren bilis ome one hundred miles north of Berlin, where he was in the habit of exercising every Sunday with his flying machine. Being exceedingly busy with preparations for a trip to Siberia I was unable to go, and was spared the ordeal of witnessing the dreadful accident which caused his death, the news of which reached Berlin the following evening. The readers of the Transcript will doubtless

be interested in an account of the last flights of the fearless experimenter, which I witnessed the previous Sunday, and also, perhaps, in hearing of my own experience with the machine. Herr Lilienthal had asked me to visit his engine factory in Berlin, where his flying machines are

built, and it was here that I first became really acquainted with him. A small corner was given overwholly to the "Flug Apparat," and here I found a number of men at work upon a new pair of enormous wings of more than twenty-five equare yards superficial area. Of this machine he had great hopes, and explained every detail of its construction, little realizing that be was destined never to put it to actual test. On the following Sunday I met him by appointment at the Lehrter station in Berlin. He was accompanied by his 14-year-old son, whom

he always took with him, and a man servant to assist in putting the machine together. We steamed out of the city and across the flat green fields just as the sun was rising, and after a ride of a couple of hours alighted at Neustadt on the Dosse. Here we were met by a comfortable farm wagen and driven over the twenty-odd miles which lie between Rhinow and the railroad. A brisk wind was blowing, and the storks were sailing over the fields on each side of the road in search of food for their young on the chimney tops. These he watched with great interest, calling them his teachers, and drawing my attention to the various metheds practised by them in preserving their equilibrium when flying and alighting, which I had never noticed before. We had a hurried lunch in the little inn at Rhinow, where his arrival always causes a hum of excitement among the peasants; the flying machine was brought out of the barn and loaded on the wagon, and we drove away to the mountains, which are two or three miles from the village.

A more ideal spot for flying could hardly be conceived. Itising abruptly from the level fields is a long range of high, rounded hills, warying from one to three hundred feet in height, and thickly carpeted with grass and deep, sponcy moss. The slopes vary in steepness, and face all possible points of the compass, so that one can always find a suitable declivity facing the wind.

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The machine was laid out on the grass and put together. It was one of the new models, consisting of two large lateral wings measuring twenty feet from tip to tip, and an upper wing or scroplane. The material was thin, strong cotton cloth, tightly stretched on a frame of bamboo. A rectangular wooden frame which fitted around the body a little above the waist supported these wings and the dunlex tail, consisting of a horizontal and vertical wing joined together on the end of a curved bamboo pole in the rear of the machine. The upper acroplane was supported some six feet above by means of two vertical rods of bamboo and firmly fixed by a great number of tightly stretched strings or guys. So perfectly was the machine fitted together that it was impossible to find a single loose cord or brace, and the cloth was everywhere under such tension that the whole machine rang like a drum when rapped with the knuckles. Asit lay on the grass in the bright sunshine with its twenty-four square yards of snow-white cloth spread before you you felt as if the flying age was really commencing. Here was a flying machine por oy an engineer of ability, and embodying the results of eight years of successful experimenting—a machine not to look as, but to fly with.

We carried it to the top of the hill, and Lillenthal took his place in the frame, lifting the machine from the ground. He was dressed in a fiannel shirt and knickerbookers, the knees of which were thickly padded to lessen the shock incase of a too rapid descent, for in such we emergency he had learned to drop instantly to his knees after striking with his fact than

to train the camera on him. Suddenly he swerved to the left, somewhat obliquely to the wind, and then came what may have been a forerunner of the disaster of the next Sunday. It happened so quickly and I was so excited at the moment that I did not quite grasp exactly what happened, but the apparatus tipped sideways as if a sudden gust had got under the left wing. For a moment I could see the top of the aeroplane, and then, with a powerful throw of his legs, he brought the machine once more on an even keel and sailed away below me across the fields at the bottom, ficking at the tops of the haycocks as he passed over them. When within a foot of the ground he threw his legs forward, and notbrought the machine once more on an even keel and sailed away below me across the fields at the bottom, Ercking at the tops of the haycocks as he passed over them. When within a foot of the ground he threw his legs forward, and not-withstanding its great velocity the machine stopped instantly, its front turning up, allowing the wind to strike under the wings, and he dropped lightly to the earth. I ran after him and found him quite breathless from excitement and the exertion. He said, "Did you see that? I thought for a moment it was all up with me. I tipped so, then so, and I threw out my legs and righted it. I have learned something new: I learn something each time."

Though I had read many articles about Lillenthal, and had seen numberless photographs of him in the air. I had formed no idea of the perfection to which he had brought his lavention, or of the precision with which he managed it. I have seen high dives and parachute jumps from balloons, and many other feats of skill and daring, but I have never witnessed anything that strung the nerves to such a pitch of excitement or awakened such a feeling of eathusiasm and admiration as the wild, fearless rush of Otto Lillenthal through the air. The spectacle of a man supported on huge white wings, moving high above you at race-horse speed, combined with the welrd hum of the wind through the cords of the machine, produces an impression not to be forgotten.

A few moments' rest was necessary before tarrying the machine once more to the hiltop, and we sat on the grass and discussed the facileted about on the cloth wings, and Lillenthal langhed at them and said that they loved to jump about on the smooth white surface, that they were his only passengers, and he frequently heard them hopping about on his machine when he was in the air. The wind had freshened a

comp about on the smooth white surface, that hey were his only passengers, and he frequently reard them hopping about on his machine when he was in the air. The wind had freshened a rifle, and a shower was seen coming across the plain. We crawled under the wings, together with a awarm of peasant children who had flocked from the heighloring arms to watch "Die Weise Flidermans," and tept quite dry during the cloudburst. The suntame out presently, and by the time we had reached the top of the hill the wings were quite ir. Once more he took his place in the frame and sailed away, the children running screaming after him down the steep hillside and failing over each other in their excitement. Of this

dry. Once more he took his place in the frame and sailed away, the children running screaming after him down the steep hillside and falling over each other in their excitement. Of this flight and the subsequent ones I was fortunate enough to secure some excellent pictures, the last ones that were ever taken of the man.

Toward the end of the afternoon, after witnessing perhaps half a score of flights and observing carefully how he preserved his eqilibrium. I managed to screw up courage enough to try the machine. We carried it a dozen yards or so up the hillside, and I stepped into the frame and lifted the apparatus from the ground. The first feeling is one of utter helpiesmess. The machine weighs about forty pounds, and the enormous surface spread to the wind, combined with the leverage of the tenfoot wings, makes it quite difficult to held. It rocks and tips from side to side with every pull of air, and you have to exert your entire strength to keep it level. Islienthal cautioned me especially against letting the apparatus dive forward and downward, which is caused by the wind's striking the upper surface of the wings, and is the common-set desister which the novice meets with. The tendency is checked by throwing the legs forward, as in alighting, which brings the machine up into the wind and chocks its forward medica. As you stand in the frame your elbows are at your side, the forearms are horizontal, and your hands grasp one of the horizontal cross-braces. The weight of the machine rests in the angle of the elbow joints. In the air, when you are supported by the wings, your weight is carried on the vertical upper arms and by pads which come under the shoulders, the legs and lower part of the body swinging free below.

I stood still facing the wind for a few moments, to accustom myself to feeling of the machine, and then Lilienthal gave the word to advance. I ran stowly against the wind, the weight of the machine lightening with each weight of the machine lightening with each weight of the machine for an anal

strain on the legs, the feeling is as if gravitation had been annihilated, although the truth of the matter is that it hangs from the machine in a rather awkward and wearying position. My second attempt was not so successful, the wind getting under the left-hand wing and tipping the machine until the tip of the other wing drarged on the ground. No damage was done, however, and I was satisfied with my attempt. On the way back Herr Lillenthal talked about his experiments and his plans for the future. Certain features of his machine he has patented, though his experiments have been made without any money-making view. The haschines cost about 500 marks, or \$125, to build, not much more than a first-class bicycle, and when made in quantity can be made very much cheaper. He told me that he hoyed to zell his American patents and eaked me if I thought he could get \$4,000 for them. His plan was to build, in or near Berlin, a sort of flying rink, with an artificial slove which could be turned so as to always face the wind. Here people could come and hire machines and learn to use them, commencing with small elevations and gradualir going higher up the slope, as practice gave them skill. He hoped to get people, particularly athletes, interested in the sport, for with a wide interest would come improvements. The present bicycle is not the work of a single man, but the result of years of experiment and thought given by man; men, It must be the same with the fixing machine. If the unfortunate death of the ploneer does not deter others but with men because of years of experiment and thought given by man; men, it is not the south as the machine and interested in the sport for with a wide interest would come improvements. The present bicycle is not the wind, which his really not so very perilous when you know how. Lilienthal seed and thought the danger element is greater in this sport than in most others, but with improved apparatus it can be made, in my opinion, as safe as tight-rope walking, which is really machine, as it wer

CAPTURED A MERMAN. Pacific Porpolso Hunters Shoot a Strange Marino Monster.

## From the Washington Fost. TACOMA, Wash., Oct. 31. -What appears to be

genuine merman was brought into this port last week by a party of Englishmen. They had

been porpoise fishing in the Pacific and were more than confounded at the extraordinary creature they captured. They came in with their prize fully convinced that the old stories about merman and mermaids were all true, in spite of the scoffers. The man who deserves the credit of this wonderful discovery is hisjor W. E. Thorncliff of the British army. Major was at first rather averse to giving the details of his novel adventure, fearing that he fish yarns of Puget Sound, but knowing that his social and official position put his word above question, he finally consented to relate his unique experience and to exhibit his inter-esting captive, only stipulating that I should

and hunting expedition to the coast, on board of of Prince Gerenoff's steam yacht Anedamoff, on June 29, and we cruised along the shores of the Aleutian peninsula, calling into many very fine bays and harbors along the coast.

"We shot on shore and fished in the waters of both Hehring Sea and the Pacific Ocean, and have as trophies a fine collection of pelts, as well as akeletons of many rare creatures.

"But the climax of all came on the morning of July 26, when we were off the island of Watmoff. Our men sighted a school of porpoises, among which could be seen several white ones.

most. Our men sighted a school of porpoises, among which could be seen several white ones.

"Our hunting boat was lowered, and Lord Devenshire, the Earl and I. with the boat's crew, put off from the yacht, determined to capture some of the rare sea pigs. After pulling about four miles we found ourselves in the centre of the school, and Lord Devenshire got a shot at one of the white boys with a large express rifle, which quickly ended its career.

"Just as we were putting our guns away the Earl called out, 'See that!' pointing to a most startling looking beast not more than a cable's length away. Picking up his express he fired point blank at it, striking the creature between the yes. The shot, though it did not kill it so standed it that it lay perfectly still on the surthe yes. The shot though it and not the sur-stanced it that it lay perfectly still on the sur-

stanced it that it lay perfectly still on the surface of the sea.

"As our boat hauled alongside we saw the most hideous and uncanny looking monster probably that human eyes ever looked upon. Although at a distance it toight perhaps be mistaken for a porpoise, as we came near we saw that it could truly be described by no other name than that of merman."

we saw that it could truly be described by no other name than that of 'merman.'

"As we reached over the side of the boat to haul the creature in it regained some of its vitality. It caught the beat by the guawais amidship, and had it not been for the fact that when the arms came up out of the man we naturally shrank to the other side of the boat, it would, without doubt, have capsized us. One of the men picked up an ax and quickly despatched the monster.

"The better way now would be for you to come with me and I will show you the strange creature which I am now taking to England to present to the British Museum. After seeing it you will, I am sure, be inclined to the opinion that once it is placed there it will easily outrank all of the many strange things to be found in that great repository of the world's rarities."

Then the Major led the way to a storeroom on Pacific avenue, where, in the middle of the floor, was a large coffin-shaped box. It was ten feet long, three feet wide, and three feet deep. Taking a screwdriver the Major unfastened the top. All that could be seen was some ice, covered with a white weellen blanket. Taking the blanket by the end he quickly removed it, and as he did so the sight of the contents of the box almost froze my blood, for right before my erea was apparently the naked body of a large man. The Major then removed the cloth which covered the lower part of the body. This is exactly the same as that of an ordinary porpoise. The monster is one of the most remarkable freaks

The Major then removed the cloth which covered the lower part of the body. This is exactly the same as that of an ordinary perpoise. The monster is one of the most remarkable freaks nature ever put together. The strange monstrosity measures ten feet from its nose to the end of its fluke-shaped tail, and the girth of its human-shaped body was just six feet.

It would weigh, it is citimated, close to 500 pounds. From about the breast bone to a point about where the base of the siomach would be,

were it human, it looked exactly like a man. Its
arms, quite human in shape and form, are very
long and covered completely with long, coarse,
dark reddish hair, as is the whole body.

It had or did have at one time four fingers
and a thumb on each hand, almost human in
shape, except that in place of finger nails there
were long, slender claws. But in days long since
gone by it had evidently fought some monster
that had not the best of it, for the foreinger
of the right hand, the little finger of the left,
and the left thumb are missing entirely.

Immédiately under the right breast is a broad,
ugiv looking scar, which looked as if some time
in the past it had been inflicted by a swordfish.
On the sides and body of the monster are
numerous other evidences that its life in the
ocean had been far from a placid one. There is
hardly a space the size of one's hand that does
not show evidence of having at some time or
other received wounds.

when the hideous body reaches England that
country can safely say that it possesses the
strangest freak the mysterious waters of the
Pacific ever gave up.

"Now mind," was Major Thorneliff's parting
salntations, "don't in any way try to embellish
what you have seen and heard, but just tell the
plain facts, and though this coast may be renowned for strange and werd stories, this story
of the merman, simply and truthfully told, will,
I am confident, prove the adage, 'Truth is
stranger than fiction.'"

Now it only remains for some man as responsible and well known as Major Thorneliff to dis-

Now it only remains for some man as responsible and well known as Major Thorncliff to discover the mate of the merman, and we will be convinced that the old mariners had not, after all, the wonderful powers of imagination and

## romance so long ascribed to them.

No Fear of Bryan. To the Epiron of The Sux-Sir: Those who think the Chicago platform embodies living issues, and that Bryan is to be a perpetual candidate, know little of

the temperament of the American people. They have no retience with stamped out herestes and no use for back numbers. Before he is a month older Mr. Firyan will have rather into the most innocaousoft of descetude, or will be remembered only as a pestilent agitator who had the country for a time in terror. And after the 4th of March he will be followed into oblivious by the man who, instead of exercising the "kingliest act" of citizenship, could think of no better use