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Chapter 1 : The Mystery of the Hot Air Balloon (Audiobook) by Gertrude Chandler Warner | blog.quintoapp.com

*The Mystery of the Hot Air Balloon (The Boxcar Children Mysteries) [Gertrude Chandler Warner] on blog.quintoapp.com
FREE shipping on qualifying offers. A hot air balloon lands in the Aldens' yard!*

July 16, The modern era of flight lifted off in when two brothers demonstrated their invention, the hot-air balloon, before a crowd of dignitaries in Annonay, France. After several successful tests, they decided to make a public demonstration. The Montgolfier brothers built a balloon made of silk and lined with paper that was 33 feet 10 meters in diameter and launched it "with nobody aboard" from the marketplace in Annonay on June 4, The balloon rose 5, feet 1, meters , stayed aloft for 10 minutes and traveled more than a mile "about 2 kilometers. Word of their success quickly spread, and a demonstration for the king was planned. They constructed a balloon about 30 feet 9 meters in diameter made of taffeta and coated with a varnish of alum for fireproofing. First passengers There was some concern about the effects of high altitude on living beings. The king proposed a test using prisoners, but the Montgolfiers instead suspended a basket below the balloon containing a sheep, a duck, and a rooster. It was actually a scientifically sound idea. The high-flying duck was unlikely to be harmed, so it was used as a control. The rooster was included as a further control because while it was also a bird, it did not fly at high altitudes. The balloon and its passengers lifted off on Sept. The balloon flew about 2 miles 3. The first free ascent of a hot-air balloon with human passengers, on Nov. He stayed aloft for almost four minutes. About a month later, on Nov. Benjamin Franklin wrote in his journal about witnessing the balloon take off: When it reached around feet in altitude, the intrepid voyagers lowered their hats to salute the spectators. We could not help feeling a certain mixture of awe and admiration. On January 19, , in Lyons, France, a huge balloon built by the Montgolfiers carried seven passengers as high as 3, feet meters. The events were commemorated with engravings and illustrations. Chairs were designed with balloons carved into the back. Crockery came decorated with pictures of balloons. Clocks were made with the dials set in a replica of a balloon. Advances in ballooning At the time, the Montgolfiers believed they had discovered a new gas which they called Montgolfier gas that was lighter than air and caused the inflated balloons to rise. In fact, the gas was merely air, which became more buoyant as it was heated. The balloon rose because the air within was lighter and less dense than the surrounding atmosphere, which pushed against the bottom of the balloon. The limitations of using air were soon realized because as the air cooled, the balloon was forced to descend. Keeping a fire burning meant the risk of sparks setting the bag on fire. Other means were considered, and less than two weeks after the first free flight, on Dec. With this and other advancements, balloon flight was firmly established. Montgolfier honors The Montgolfier brothers continued with their experiments. During their careers, they published books on aeronautics, Joseph invented a calorimeter and the hydraulic ram, and Jacques developed a process for manufacturing vellum. Joseph died on June 26, Jacques died on Aug.

Chapter 2 : The Mystery of the Hot Air Balloon - Albert Whitman & Company

The Aldens are excited to attend a hot-air balloon rally! But after someone tries to ruin the event, the children might not get to ride in a balloon.

Chapter 3 : The Hot Air Balloon | Thomas the Tank Engine Wikia | FANDOM powered by Wikia

A hot air balloon lands in the Aldens' yard! After 75 years, Gertrude Chandler Warner's The Boxcar Children series is becoming a series of animated films.

Chapter 4 : The Mystery of the Hot Air Balloon by Gertrude Chandler Warner

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*A hot air balloon lands in the Aldens' yard! Gertrude Chandler Warner was born in Putnam, Connecticut, where she taught school and wrote *The Boxcar Children* because she had often imagined how delightful it would be to live in a caboose or freight car.*

Chapter 6 : The Mystery of the Hot Air Balloon by Gertrude Chandler Warner | Scholastic

The Mystery of the Hot Air Balloon (The Boxcar Children Series #47) by Gertrude Chandler Warner The Aldens are excited to attend a hot-air balloon rally! But after someone tries to ruin the event, the children might not get to ride in a balloon.

Chapter 7 : The mystery of the hot air balloon | Arlington Public Library

*In *The Mystery of the Hot Air Balloon*, #47 in the *Boxcar Children* series, the Alden children are in for a surprise when a hot air balloon mistakenly lands in their yard!! They discover that a hot air balloon business is opening in a neighboring town and are invited to help out with the big launch ra.*

Chapter 8 : The Mystery of the Hot Air Balloon (edition) | Open Library

Benny wants adventure and finds it as he and the other Alden children help uncover the plan of those who would prevent ballooning from coming to Lloyd's Landing.

Chapter 9 : First Hot-Air Balloon | The Greatest Moments in Flight

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