

INTRODUCTION



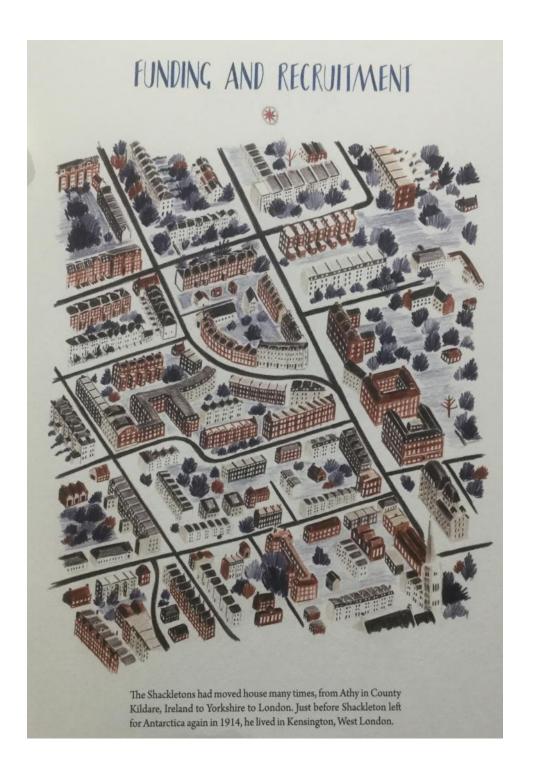
Born on 15 February 1874, Shackleton was the second of ten children. From a young age, Shackleton complained about teachers, but he had a keen interest in books, especially poetry – years later, on expeditions, he would read to his crew to lift their spirits. Always restless, the young Ernest left school at 16 to go to sea. After working his way up the ranks, he told his friends, "I think I can do something better, I want to make a name for myself."

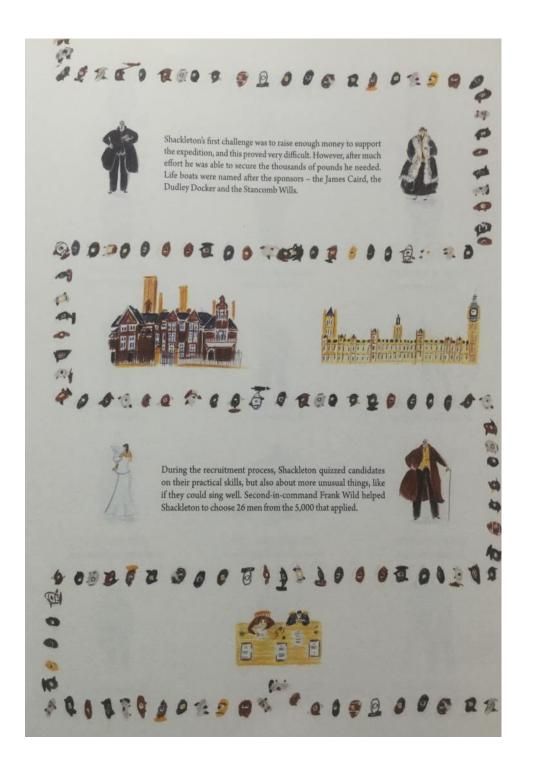


Shackleton was a member of Captain Scott's famous Discovery expedition (1901-1904), and told reporters that he had always been "strangely drawn to the mysterious south" and that unexplored parts of the world "held a strong fascination for me from my earliest memories".

Once Amundsen reached the **South Pole** ahead of Scott, Shackleton realised that there was only one great challenge left. He wrote: "The first crossing of the Antarctic continent, from sea to sea, via the Pole, apart from its historic value, will be a journey of great scientific importance."

On 8 August 1914, Ernest Shackleton and his brave crew set out to cross the vast south polar continent, **Antarctica**. Shackleton's epic journey would be the last expedition of the Heroic Age of Antarctic Exploration (1888-1914). His story is one fraught with unimaginable peril, adventure and, above all, endurance.





THE CREW





FRANK WORSLEY Ship's captain.



ERNEST SHACKLETON Expedition leader.



FRANK WILD Second-in-command.



LEONARD HUSSEY Expedition meteorologist.



GEORGE MARSTON Expedition artist.



WALTER HOW Able seaman.



THOMAS ORDE-LEES Motor expert and storekeeper.



JOHN VINCENT Boatswain and able seaman.



REGINALD JAMES

Expedition physicist.

TOM CREAN Second officer.



WILLIAM STEPHENSON Fireman and stoker.



ROBERT CLARK Expedition biologist.



JAMES WORDIE Expedition geologist.



TIMOTHY McCARTHY Able seaman.



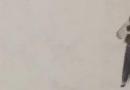
ALFRED CHEETHAM Third officer.



FRANK HURLEY Expedition photographer.



DR. JAMES McILROY Second surgeon.



DR. ALEXANDER MACKLIN Expedition surgeon.



LIONEL GREENSTREET First officer.

CHARLES GREEN

Ship's cook.

THOMAS McLEOD

Able seaman.



ERNEST HOLNESS Able seaman and stoker.



HUBERHT HUDSON Navigating officer.



ALEXANDER KERR Second engineer.





HENRY McNEISH Ship's carpenter.



LOUIS RICKINSON Chief engineer.

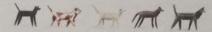


WILLIAM BAKEWELL PERCY BLACKBORROW Able seaman. Stowaway.

THE DOGS MMMMMM MAMM MMMMM HAMMAN MAMM 正管工工工工工 KINK HIM MAMMA MAMM MAMMA In 1914, a cargo of 99 dogs was sent from Canada to London. Of these, 69 were chosen for the expedition. Shackleton and the crew gave them all names, and you may notice that some are named after famous people and crew members.



The dogs came from a mongrel mixture of breeds, including Newfoundlands, St. Bernards, Eskimo dogs, Wolfhounds and wolves. Cross-breeding the dogs meant that they were very strong and had qualities such as a thick coat or a good temperament. The average weight of each dog was 100 lbs!



They included:

Alti, Amundsen, Blackie, Bob, Bo'sun, Bristol, Brownie, Buller, Bummer, Caruso, Chips, Dismal, Elliott, Fluff, Gruss, Hackenschmidt, Hercules, Jamie, Jasper, Jerry, Judge, Luke, Lupoid, Mack, Martin, Mercury, Noel, Paddy, Peter, Rodger, Roy, Rufus, Rugby, Sadie, Sailor, Saint, Sally, Sammy, Samson, Sandy, Satan, Shakespeare, Side Lights, Simian, Slippery Neck, Slobbers, Snowball, Soldier, Songster, Sooty, Spider, Split Up, Spotty, Steamer, Steward, Stumps, Sub, Sue, Surly, Swanker, Sweep, Tim, Upton, Wallaby, Wolf.



The lively dogs were to play a vital role in Shackleton's expedition. Their ability to pull more than their weight, brave the cold and work in packs meant that they were at home in Antarctic conditions. They were expected to cover up to 20 miles a day with a loaded **sledge**.



Each crew member was assigned at least one dog to care for, and many developed strong bonds with them, especially second-in-command Frank Wild, Tom Crean and the photographer Frank Hurley.



ENDURANCE





Originally intended for tourist cruises and polar hunting, the Endurance (or Polaris as she was initially named) was perhaps the strongest wooden vessel in the world with the exception of the Fram. She was named Endurance after Shackleton's family motto: By Endurance We Conquer.







Endurance was designed by Ole Aanderud Larsen, and constructed under the watch of master shipbuilder Christian Jacobsen in Framnaes shipyard in Sandefjord, Norway.

Jacobsen, being a meticulous craftsman, made sure that all the men who worked on the ship's construction were experienced seafarers as well as skilled shipwrights.



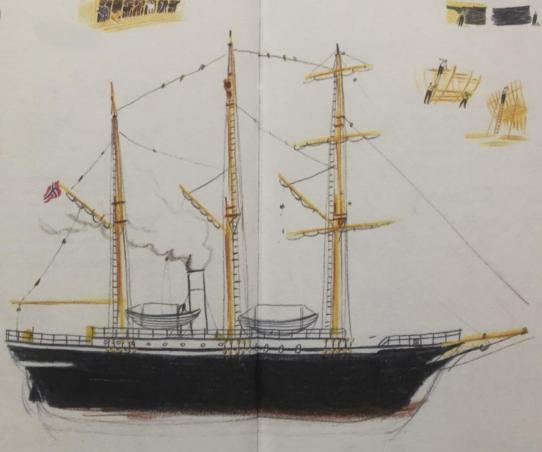


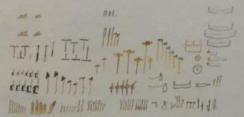
One of the main differences between the Endurance and the Fram was that the Fram was bowl-bottomed, allowing her to rise out of the ice if she became stuck.





Luckily for Shackleton, the original owners Adrien de Gerlache and Lars Chistensen were in financial straits and desperate to sell the ship. Being supportive of Shackleton's intentions, they were happy to sell the ship for £11,600 (approx £45,000 in today's currency), a fraction of the original cost.





Being such a unique ship, Endurance had to be worked on with a whole host of conventional and unconventional carpentry tools.

Endurance was built from Norwegian fir, oak and greenheart.



Her keel was made up of 4 sandwiched pieces of solid oak, totalling to a thickness of nearly 2.2 metres, while both her sides were 0.7 metres thick.



A very robust and sturdy little ship, Endurance was designed specifically to withstand harsh polar conditions. This meant that wherever possible joints and fittings were cross-braced and strengthened, making her extremely strong.



Later on, a platform was rigged under the **jib boom** so that Hurley was able to film the ship breaking through pack ice.



The bow (the front) would be used like a battering ram to break up thick ice, so it had to be especially strong. In total, it was 1.3 metres thick!



Each piece of timber had been selected carefully from a single oak tree, so that it would fit the design and curvature of the ship.

EQUIPMENT AND SUPPLIES

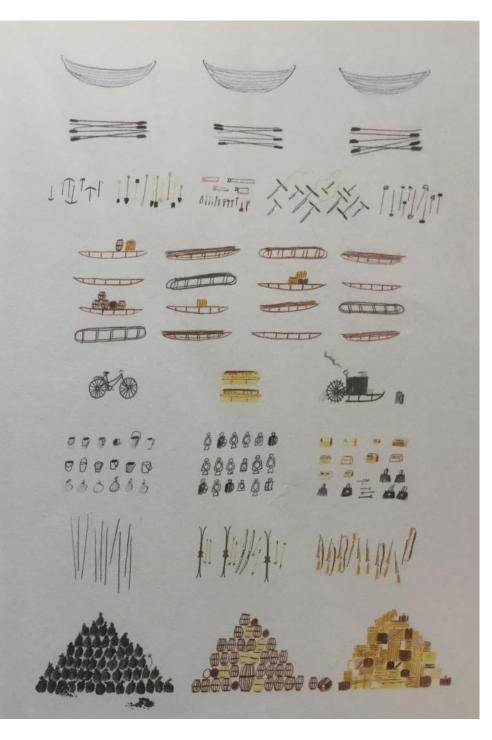


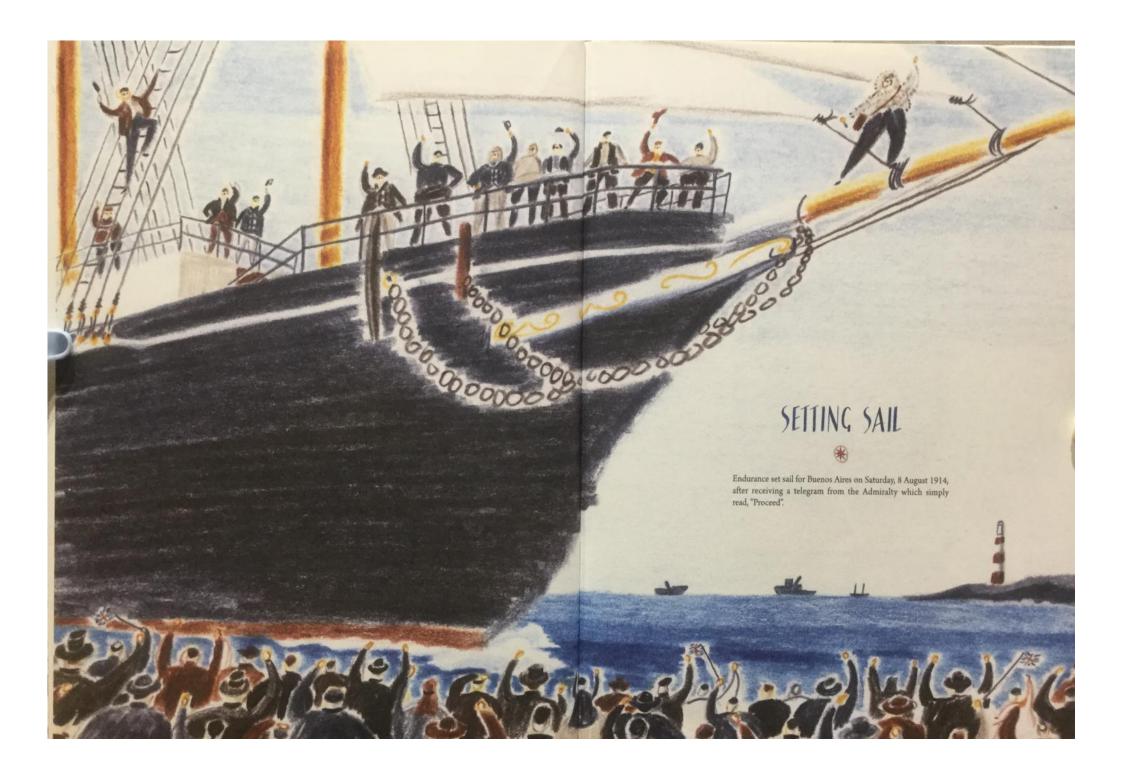
As well as supporting a crew of 28 men and 69 dogs, Endurance carried a large amount of cargo. Journeying into the heart of Antarctica meant that Shackleton would need to carry a whole array of exploration equipment and supplies to keep him and his crew alive in hostile conditions, from sledges and skis to blankets and mitts.

Just before departure, Shackleton was presented with the Union flag by King George V, who encouraged him to bring it back safely.









FROM ENGLAND TO SOUTH GEORGIA



The journey from Plymouth to Buenos Aires was fairly uneventful. However, a few crew members were dropped due to drunkenness and insubordination. Luckily, the experienced Canadian seaman William Bakewell joined the crew, as did a plucky 19-year-old stowaway, Percy Blackborrow.

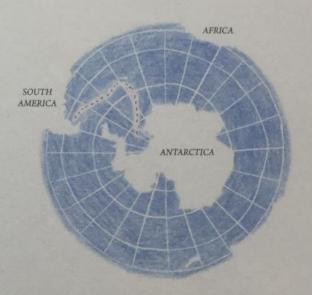


The crew then spent a month making final preparations at Grytviken whaling station, the southernmost outpost of the British Empire.



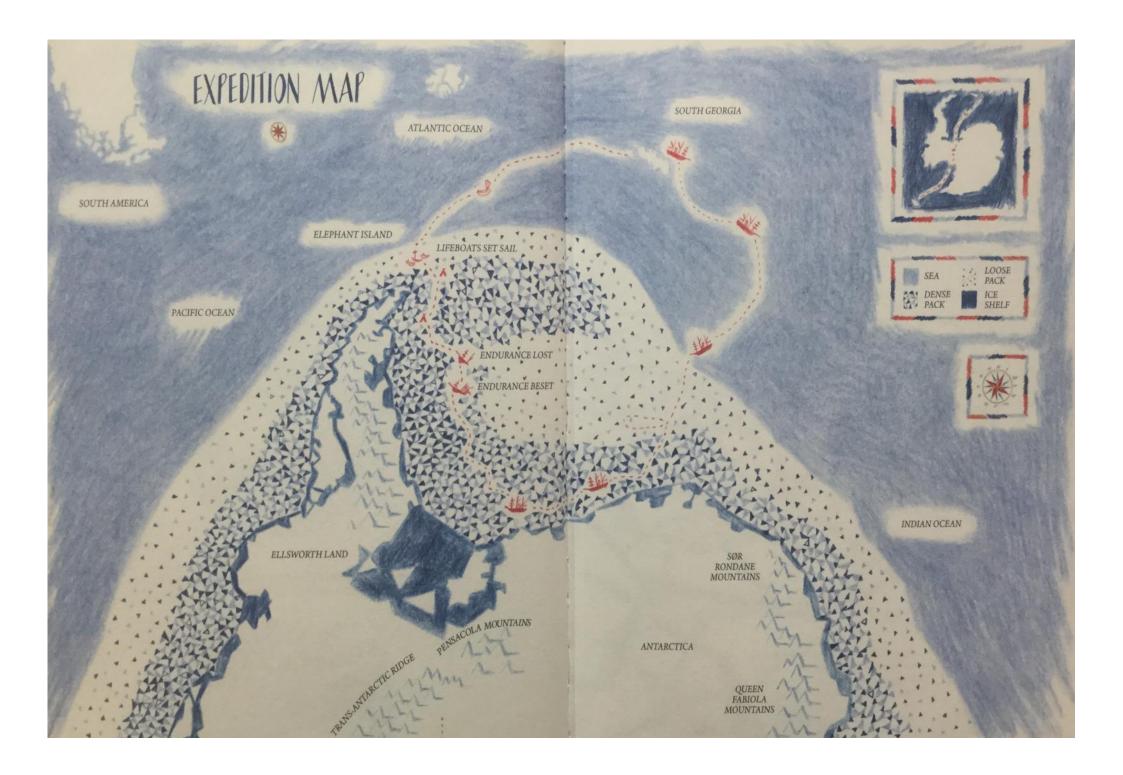


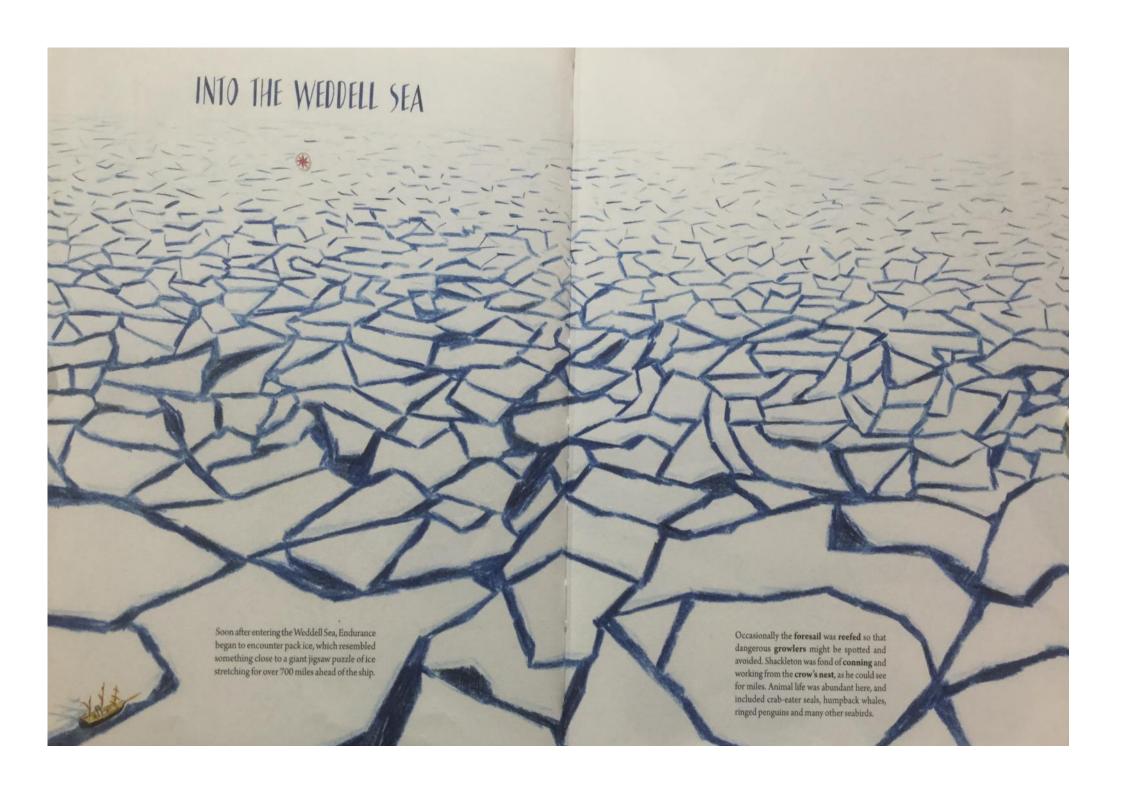
Ready at last, the ship left South Georgia on 5 December 1914 and headed for the South Sandwich Islands.



In Shackleton's words, "The long days of preparation were over and the adventure lay ahead."







GLOSSARY



ANTARCTICA

The most southerly continent on Earth, covered in snow and ice.

BLIZZARD A heavy snowstorm.

BLUBBER Animal fat, used as both food and fuel.

When a boat is overturned in water.

A magnetic instrument showing north, used in navigation.

CONNING Directing the steering of a ship.

CREVASSE A deep crack in ice.

CROSS-BRACING A system of wooden beams which adds strength to a structure.

CROW'S NEST A platform at the top of a ship's mast.

DEHYDRATION The loss of water from the body, especially from illness or physical exertion.

A place where supplies are stored.

A sheet of floating ice.

FORESAIL The sail at the front of a ship.

FROSTBITE An injury caused by exposure to extreme cold.

GALE A very strong wind.

A huge mass of ice and snow, often moving very slowly down from a mountain top.



WINTER MONTHS Due to the tilt of the Earth's axis, the Northern and Southern Hemispheres experience the seasons at different times. In the Southern Hemisphere, Midwinter's Day takes place in June.

A block of ice large enough to damage a ship, often floating underwater.

A small valley caused by rain and running water.

The main body of a ship.

HUMMOCK Where forces of nature and weather have heaved ice into a mound.

IGLOO A dome-shaped hut made from hard snow.

IIB BOOM A wooden extension at the front of a ship.

KENNEL A shelter for dogs.

A large area of ice formed when many smaller pieces of ice are pushed together by the sea or the wind.

PRECIPICE A cliff with a vertical face.

PRESSURE RIDGE A hump formed in floating ice by crushing pressure.

RATIONS Fixed daily amounts of food.

REEFING A SAIL Reducing the size of a sail.

SCURVY A disease caused by lack of vitamin C.

SEA LEOPARD A large and ferocious type of seal, sometimes called a leopard seal.

A vehicle, sometimes pulled by dogs, used for transport over ice and snow.

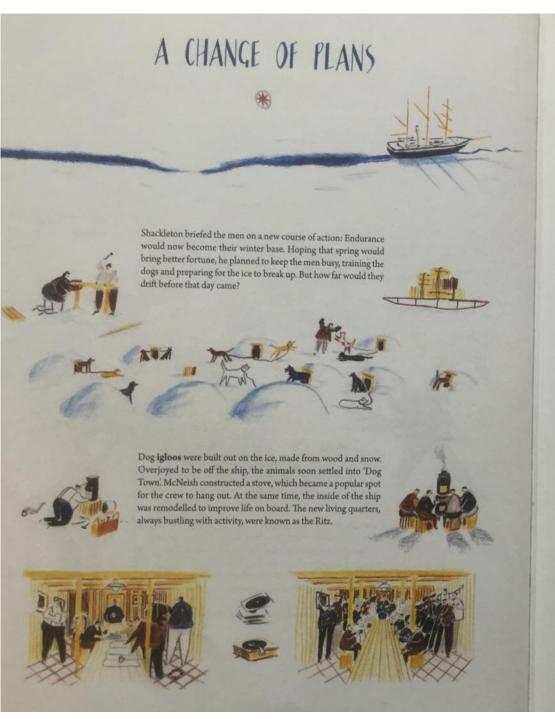
SOUTH POLE The most southerly point on Earth.













WINTER MONTHS



The crew passed the time fishing, hunting penguins and taking scientific measurements. Vibrations and **pressure ridges** in the ice meant that the men had to be extremely careful when they were out on the **floe**.











As May and June went by, the expedition passed into twilight and long, dark days lit only by the moon.









Meanwhile, the dog teams began holding races. In June, the crew held an Antarctic derby, with Frank Wild snatching an exciting victory over Frank Hurley.















Despite the pressures of leadership, Shackleton knew it was vital to keep the crew's morale high. On Midwinter's Day (21 June), the crew celebrated with speeches, songs, toasts and a rousing rendition of the national anthem.



A severe **blizzard** a few weeks later saw winds of between 60 and 90 miles an hour, and Dog Town was buried under 5 feet of snow.



Finally, in early July, the sun began to return.



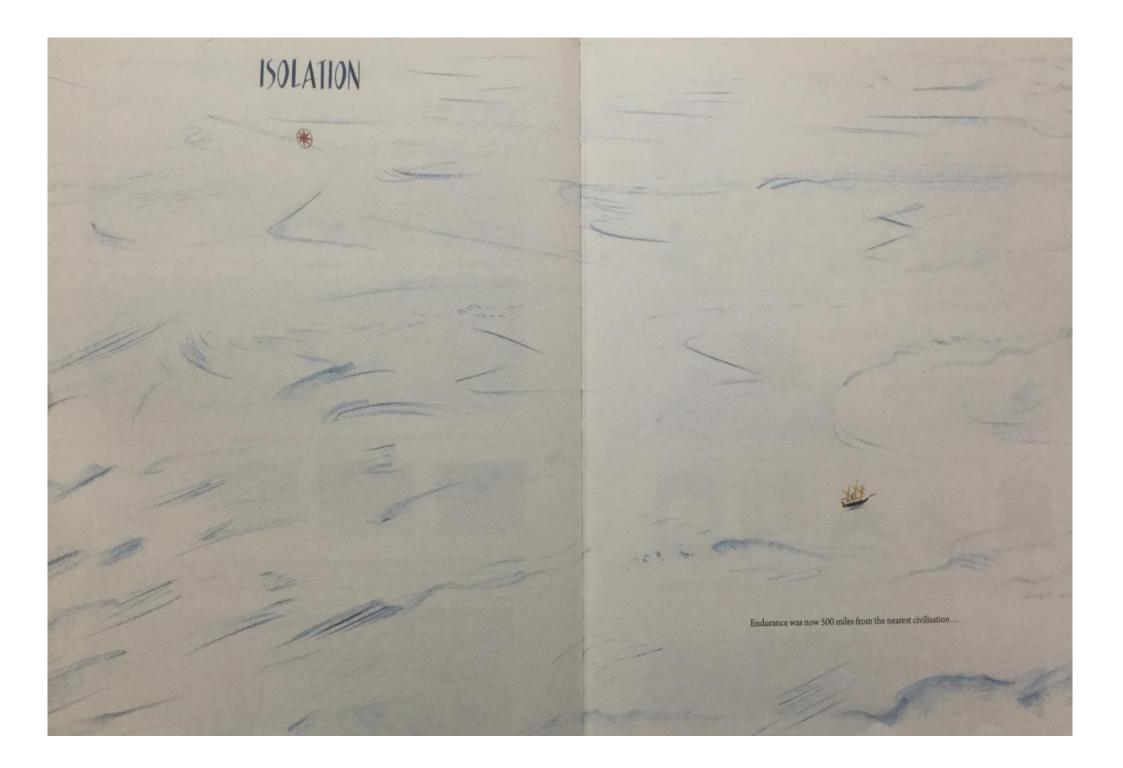






As the ice floe continued to buckle, provisions were made for emergency evacuation of the ship. New kennels were built on the upper deck, and tensions mounted as the pressure around the Endurance continued to grind ice against the hull. Soon after, loud cracks were heard from the ice as pressure forced huge blocks up into the air, and the dogs were hurried back onto the ship.





PRESSURE



Another roaring blizzard heaved the ice into a maze of **hummocks**, and as the pressure around the ship continued to grow, the crew realised they might have to escape at any minute.



Intense pressure on all sides began to push the ship up out of the water. By October, Endurance was tilted at a 30-degree angle, and still the ice showed no mercy.



Finally, the ship began to crack as it was twisted out of shape. A loud bang was heard and water flooded in. Luckily, McNeish managed to fix the dangerous leak, but conditions continued to worsen.



With pressure ridges rising all around them, Shackleton reviewed his plans to evacuate the ship, which was being crushed from all directions.



The force of millions of tons of ice made it too perilous to stay onboard. As the ice roared deafeningly, the men were ordered off Endurance and onto the ice.



They set up a temporary camp where they would be safe from harm, and a new plan of action could be made.



Endurance creaked and grouned as the strain increased, and loud cracks and deafening sounds were heard as the ice slowly crushed the cross-bracing of the ship.



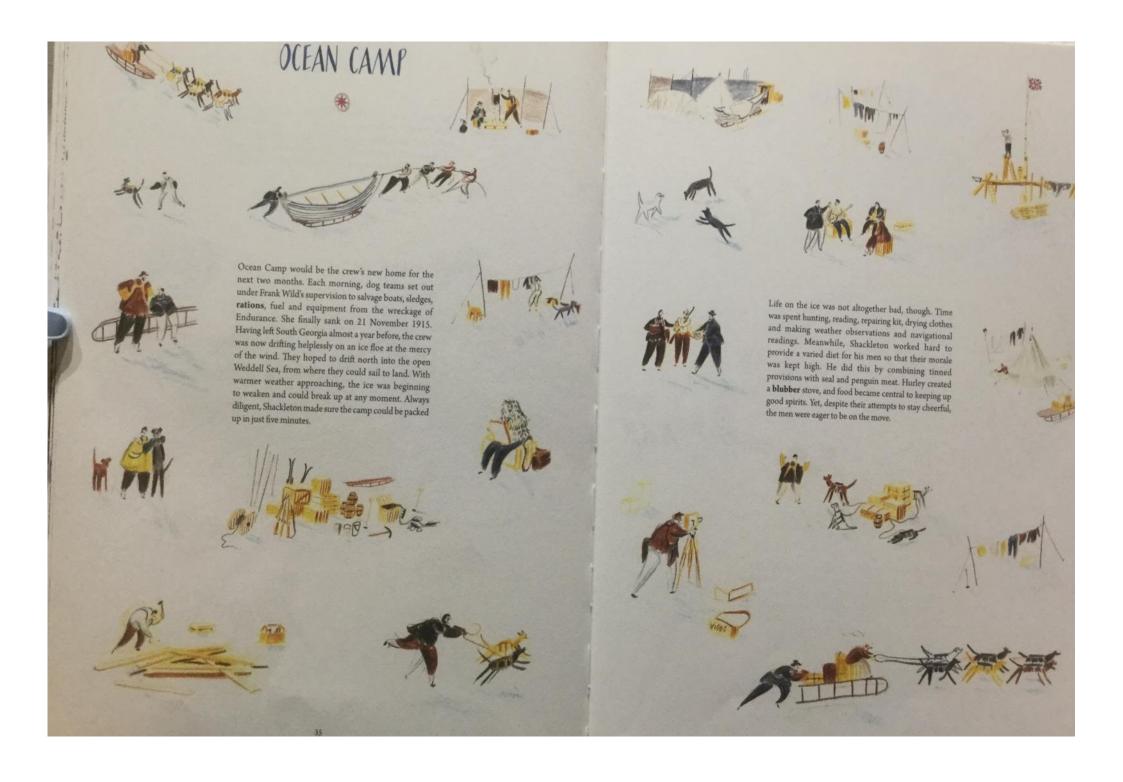
Frank Worsley wrote, "The behaviour of our ship in the ice has been magnificent... It will be sad if such a brave little craft should be finally crushed in the remorseless, slowly strangling grip of the Weddell pack, after ten months of the bravest and most gallant fight ever put up by a ship."



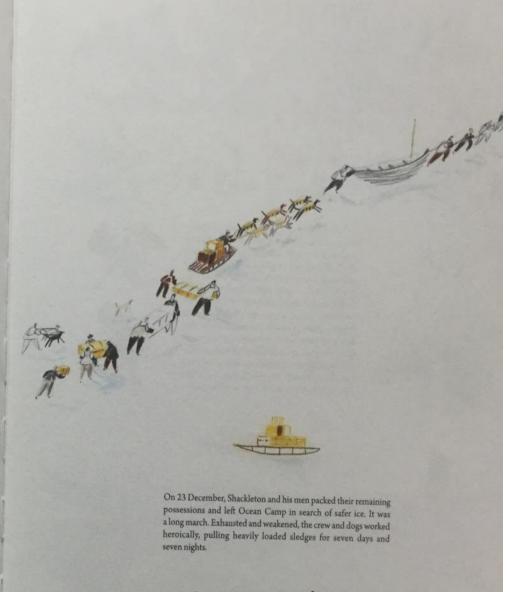
Despite such grim circumstances, Shackleton remained positive in front of his crew. "So now we'll go home," he remarked calmly. A new challenge rested on his shoulders: their mission now was to survive.



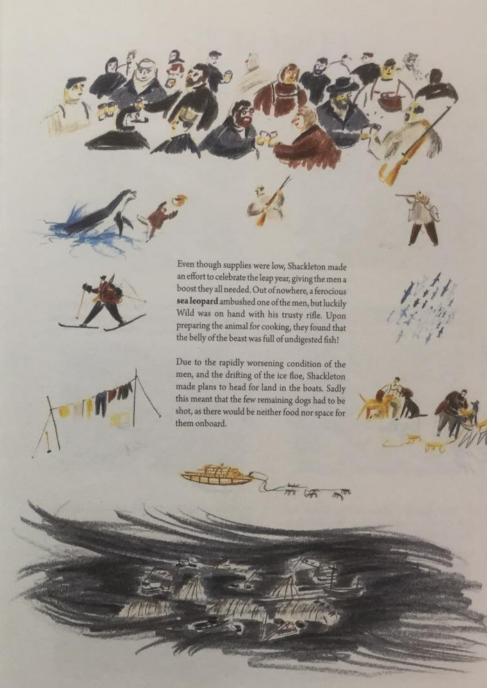




THE MARCH







ESCAPING THE ICE



After six months on the ice, Shackleton and his men were now balancing precariously on a raft of ice that was beginning to break up. They had to move.



Sailing was dangerous, as fast, foamy water hurled blocks of ice to and fro, while waves cast 60-foot sprays of icy cold water.



As light faded, camp was pitched on a large, flat floe. That very night, the ice split and Holness fell into the dark water. Luckily, Shackleton was nearby to rescue him.



Shackleton and Wild captained the James Caird, Worsley directed the Dudley Docker, and Hudson and Crean were in charge of the Stancomb Wills.



But the three boats had to push on as far as they could. Their lives depended on reaching land as their supplies were now limited by the size of the boats.



When Shackleton asked if Holness was alright, he replied, "Yes, Boss, only thing I'm thinking about is my baccy (tobacco) I'd left in the bag."



After taking refuge in their boats and having little sleep, the crew set out again at 6 am, heading west. They stopped early, having been at the oars for over 36 hours.



Despite the bitter days and nights, Wild remained as cheery as ever, steering the boat on towards the warm prospect of breakfast.



Progress was slow, and Shackleton now decided to tether the boats together for security. The Stancomb Wills had to be towed by the James Caird, as she could not keep up.



But the men were never out of harm's way. As they huddled in their boats, killer whales surfaced nearby, hissing and splashing, and almost capsizing them.



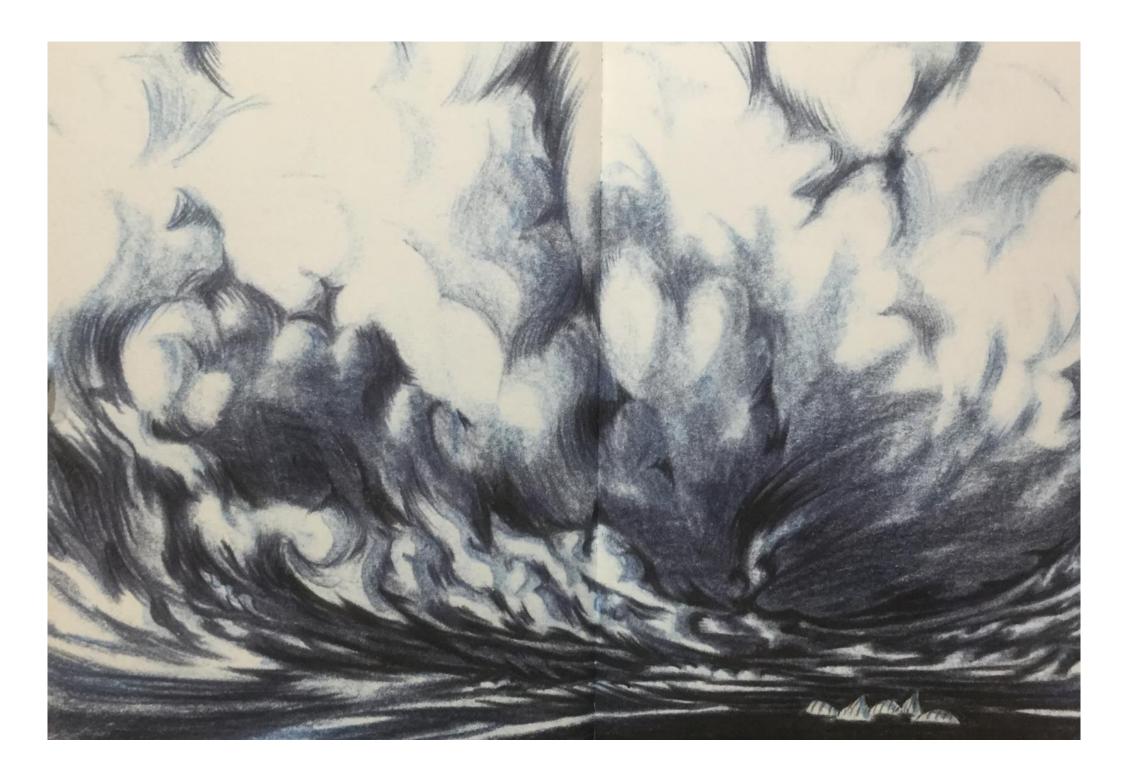
As the smoke and smells rose from the little stove, the men's hearts were lifted. The cook's abilities were truly tested on treacherous rafts of ice.



Exhausted, the men clung together for warmth as snow fell silently, covering them like a white blanket. The struggle for survival was taking its toll.







PREPARING THE JAMES CAIRD

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The condition of the crew was now deteriorating further; they had been surviving on scanty means for over 16 months. Since no ships pass Elephant Island, Shackleton decided they must sail to South Georgia to seek help – a journey of over 800 miles.



He discussed his plans with Wild and Worsley, and decided he would take one boat with a small crew, leaving Wild behind to look after the rest of the men. McNeish the carpenter strengthened and refurbished the James Caird ahead of the voyage.



This would be an extremely hazardous journey. The ocean south of Cape Horn was perhaps the most treacherous in the world, known for its deadly gales.



McNeish, McCarthy, Vincent, Worsley and Crean were chosen to accompany Shackleton on his epic journey to South Georgia.

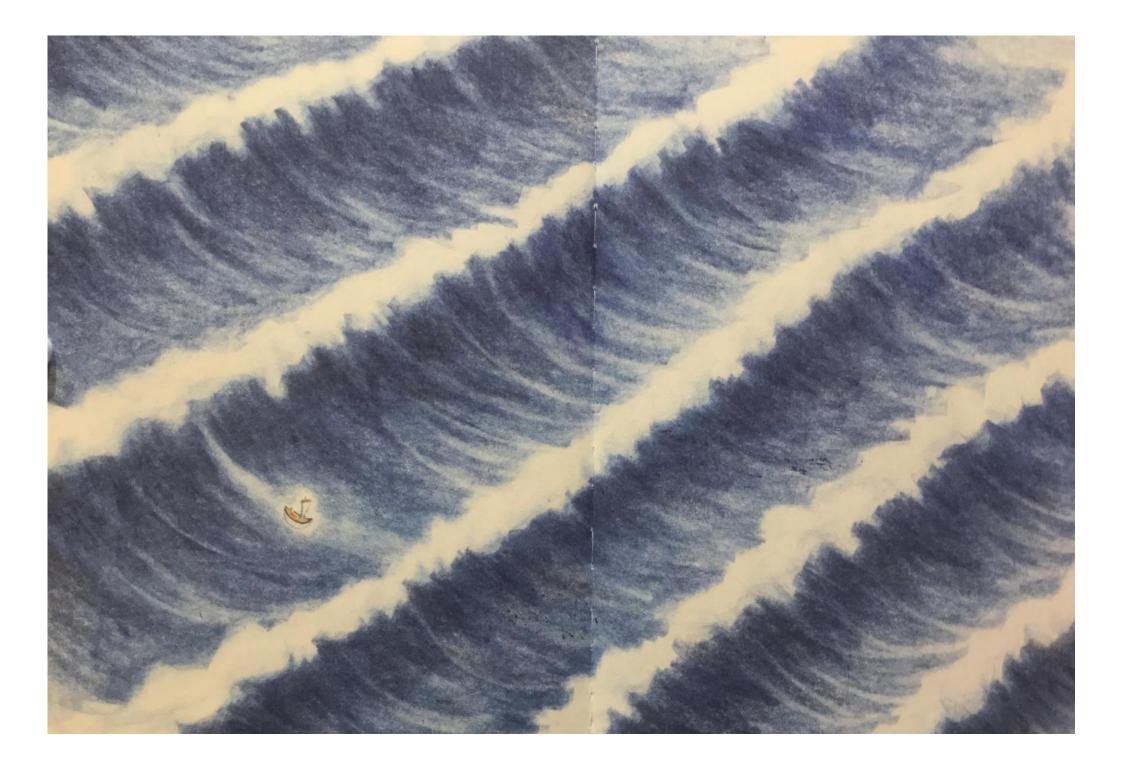


Enough provisions for six months were taken:



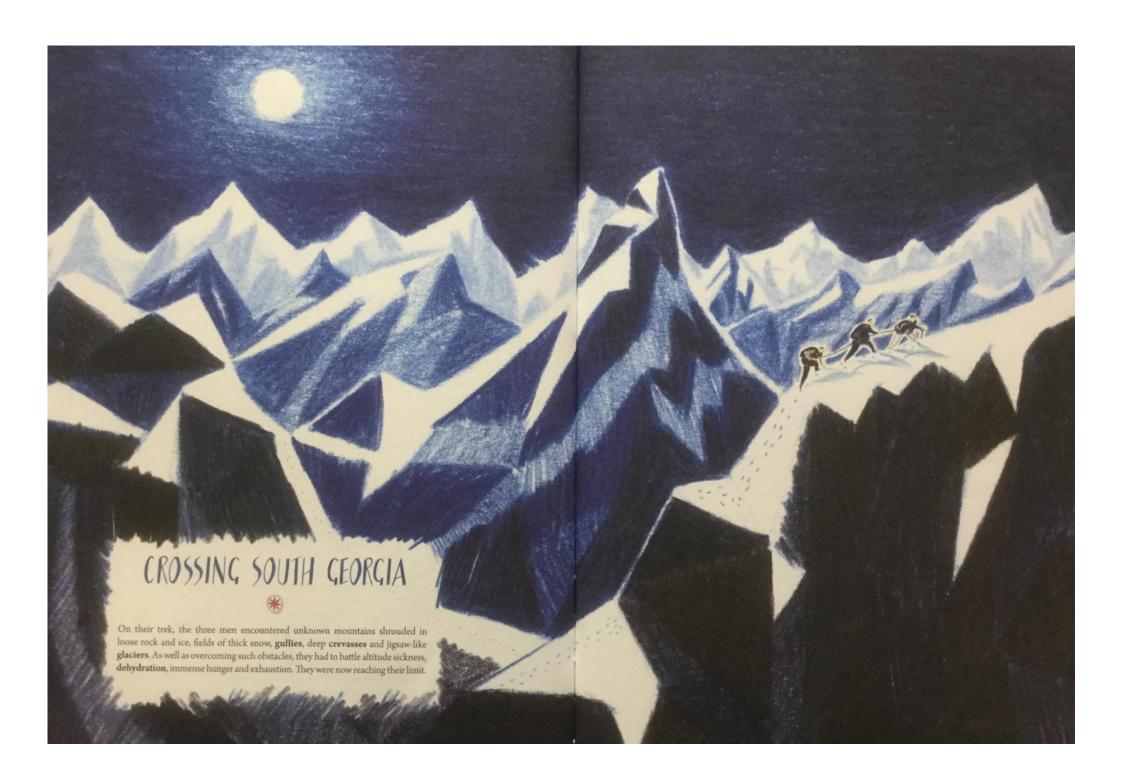
As the little boat moved away, the group on the beach gave three big cheers, and watched as their friends disappeared over the horizon.













STROMNESS WHALING STATION



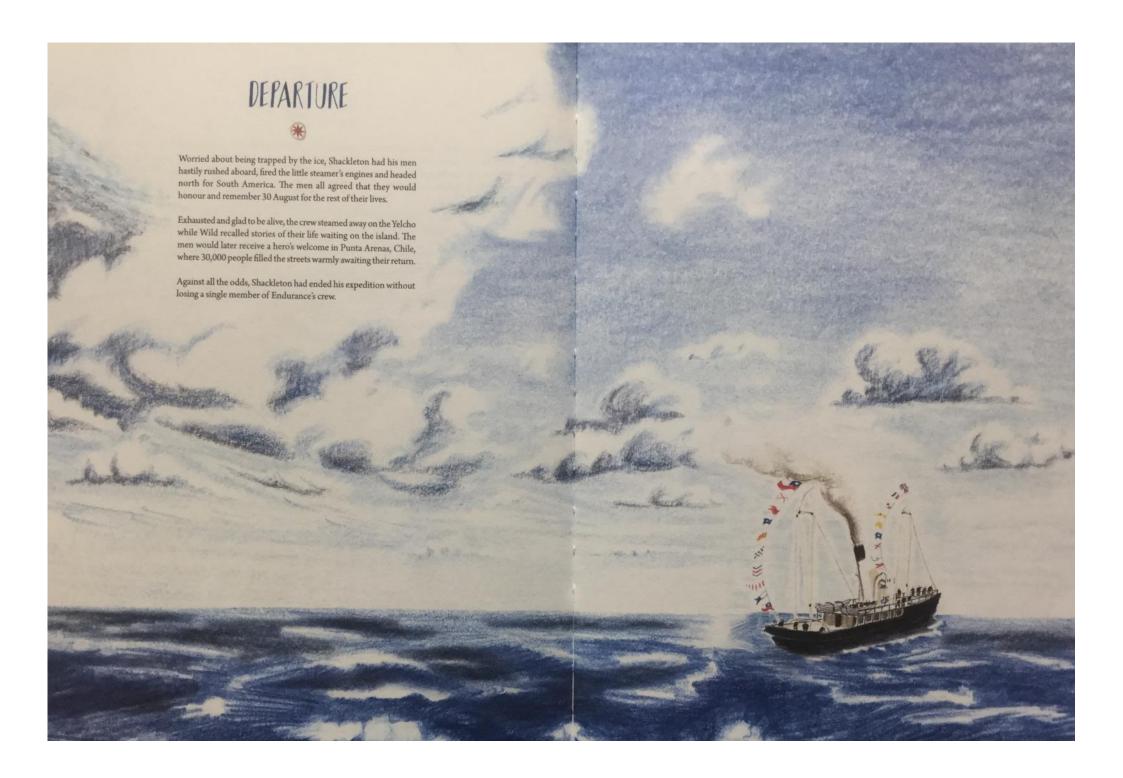
The men had now been moving non-stop for over 36 hours. Then, in the distance, the vague shape of Husvik harbour emerged like a beacon of hope. Upon sighting the harbour, the men shook hands with one another in silence.

All that separated the men from their sanctuary was a huge snow slope that seemed to end in a **precipice**. It was either this route or a five-mile walk to get around the drop. Without too much thought, they went for it, crashing and sliding down together. Their clothes shredded, and stripped of all their belongings, they had arrived.

The manager of the station, Mr Sorlle, came out to see what the fuss was about, but did not recognise the exhausted, broken men in front of him until one of them explained, "My name is Shackleton." Then Sorlle immediately reached out to the men and took them inside.

Sorlle was a most gracious host, and saw to it that the men had plenty of food, drink and hot water to bathe. A boat was sent to King Haakon Bay to pick up the three men who had been left behind. Once they had recovered, the men all sat together and discussed immediate plans to rescue their friends on Elephant Island. To save them, Shackleton would need a vessel strong enough to break through the pack ice, with enough fuel to return to land. Luckily, the Chilean government lent Shackleton a steam-powered ship called the Yelcho.





HOME AT LAST



In memory of all the brave men and dogs who ventured south on Shackleton's journey.



"I chose life over death for myself and my friends ...

I believe it is in our nature to explore, to reach out into the unknown. The only true failure would be to not explore at all."