SHIPS & THE RIVER

Read - Color - Draw - Discover South Street
WELCOME TO SOUTH STREET...

This is the bark PEKING, the newest addition to the fleet at the South Street Seaport Museum. This book is about the ships and boats she joins at South Street, the working vessels which pass by them on the East River, and the Great Harbor to which they all belong.

SHIPS & THE RIVER
A SOUTH STREET COLORING BOOK GUIDE

WRITTEN & ILLUSTRATED BY DAVID CANRIGHT

SOUTH STREET SEAPORT MUSEUM
16 FULTON STREET, NEW YORK, N.Y.

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THIS PROJECT IS SUPPORTED BY A GRANT FROM THE NATIONAL ENDOWMENT FOR THE ARTS, A FEDERAL AGENCY IN WASHINGTON, D.C.


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PRINTED IN THE UNITED STATES OF AMERICA
DISTRIBUTED BY INTERBOOK, INC., 345 EIGHTH AVENUE, NEW YORK, N.Y. 10018
SOUTH STREET'S PIER 16
A PICTURE TO COLOR...

IF YOU HAVE A QUESTION, ASK AT THE INFORMATION BOOTH, ASK A GUIDE, OR LOOK AROUND TO FIND THE ANSWER YOURSELF.
WHAT TO DO

ON THE PIERS

WALK YOUR BIKE

VISIT A SHIP

BUY A FISH FROM THE CLEARWATER'S CREW—(IN SEASON)

SEE A PLAY

SING AND PLAY MUSIC

TRY ON A SHIRT

EAT LUNCH

SIT IN THE SUN

WATCH PEOPLE WORK
(IT TAKES A LOT OF WORK TO KEEP THE PIERS IN REPAIR)

VISIT A MUSEUM ON A SHIP

SQUARE DANCE.
SHIPS & BOATS 
AT SOUTH STREET'S PIERS...

WAVERLY is the iron sailing ship, built in 1855, to carry cargo around the world. She had no engines, but crossed the widest oceans on the power of the wind. That power blew down her masts and rigging in 1910. Today, she is being restored at South Street. To find out more about her, see pages 22-25.

PIONEER is the schooner, like the HOWARD, but she is made of iron and carried freight instead of fish and fishermen. She is old as the WAVE TREE. She still sails today, carrying cargo and teaching people to work with the wind and the sea. There is a picture of her, to color, on page 13.

LETIE G. HOWARD is a wooden fishing schooner, built in 1893. She has had a long life fishing all along the Atlantic coast. To find out how she fished, see page 9.

AQUA is one of the many boats called lighters, which used to carry cargo around the harbor. She was built in 1912, and had a steam engine. In 1956 she was put to work carrying water to the big ships anchored in the harbor, and her name was changed to AQUA, which means "water."

MATHILDA, built in 1899, is a steam-powered tugboat. Her job was to push and tow bigger ships and barges. From Pier 16 you can see many tugboats still at work. Someday, MATHILDA will be restored and join them, steering around the harbor.

AMBROSE is a lighthouse, whose important work was to stay at anchor, outside the harbor, guiding ships from the ocean safely into port with her bright lights. C'mon aboard! Or look at pages 14-15.

MAJOR GENERAL WILLIAM H. HART is a ferryboat. There were once many ferry lines in New York harbor, carrying passengers across the water. At one time or another, the HART worked on most of those routes. Except for the governors island and staten island ferries, the ferry lines have all been replaced by bridges and tunnels. The HART is now a motorboat engine repair school.

DID YOU SEE ANOTHER SHIP OR BOAT AT THE PIERS? DRAW IT HERE.

ROBERT FULTON used to be a hospital ship, designed to give patients outings on the water. When a new hospital ship was built, the FULTON came to South Street to be a floating restaurant.
THE SCHOONER LETTIE G. HOWARD TODAY AT SOUTH STREET — YOU CAN GO ABOARD! IMAGINE WHAT IT WAS LIKE TO LIVE ON BOARD, AT SEA, SLEEPING IN NARROW BUNKS, EATING IN THE TINY GALLEY. THE HOWARD WAS NOT COMFORTABLE; SHE WAS BUILT FOR FISHING.

THE LETTIE G. HOWARD AT WORK, ANCHORED ON THE BANKS (SHALLOW PARTS OF THE SEA WHERE FISH LIVE). A CREWMAN FISHES FOR COD WITH A LONG LINE. WHEN HIS DORY IS FULL, HE WILL ROW BACK TO THE HOWARD, UNLOAD HIS CATCH, AND GO OUT AGAIN. IF THE SCHOOL OF FISH MOVES AWAY, THE HOWARD MUST RAISE ANCHOR AND FIND ANOTHER SCHOOL.

GOING HOME. HOLD FILLED WITH FRESH FISH AND DOGIES STACKED ON DECK, THE HOWARD SETS ALL SAIL AND HEADS FOR HOME. THE CREW HOPE THEIR CATCH WILL BRING A GOOD PRICE AT THE FISH MARKET, FOR THEY WILL ALL GET A SHARE OF THE PROFITS.

A FISH MARKET WORKER.

A CODFISH.
THE PARTS OF A SAILING SHIP'S RIGGING: CAN YOU FIND THESE ON THE HOWARD'S RIGGING? SOMETHING IN THE PICTURE DOES NOT BELONG ON THE HOWARD. WHAT IS IT?

SEVEN TYPES OF SAILING SHIP RIGS

THEY HAVE ALL STOPPED AT SOUTH STREET AT SOME TIME. WHICH ONES DO YOU SEE TODAY?
If you live near the water—near the harbor, on Long Island Sound, or the Hudson River, even in Rhode Island—you may have seen Pioneer sailing with a crew of young people from the city.

In the fall, Pioneer joins the sloop Clearwater to carry a cargo of pumpkins down the Hudson River, for sale at South Street.

The crane barge is used to lift small boats out of the water for repairs and painting.
THE AMBROSE, LIGHTSHIP AT WORK. Anchored at her station, AMBROSE guided ships to the entrance of New York Harbor, with her lights. When the ocean was covered with fog, she used her loud foghorn and her radio to help ships find their way.

THE WARDROOM ABOARD THE AMBROSE.

Officers spent their time here when they were off watch. It must have been hard to look at the same faces during the long weeks at anchor. There were often good sunsets, though, and the sea looks different every day.

DID YOU SEE THESE THINGS ON THE AMBROSE?

DO YOU KNOW WHAT EACH OF THEM IS FOR?
POLICE BOAT  THE EAST RIVER FROM THE DECK OF THE AMBROSE  FREIGHTER  OIL BARGE & TUGBOAT  DORY  PILING
DID YOU SEE ANY OF THESE ON THE RIVER?

- PILOT BOAT
- THE NEW FLOATING HOSPITAL
- LIGHTER
- THE HUDSON RIVER SLOOP CLEARWATER
- FIREBOAT
- COAST GUARD PATROL BOAT
- TUG-BOAT
- & RAILROAD BARGE
- SEAPLANE
- SIGHTSEEING BOAT
- CATBOAT
- FISHING BOAT
- GOVERNOR'S ISLAND FERRY
- SEWAGE DISPOSAL BOAT

Some different smokestack shapes. What color were the ones you saw?
WHAT DID YOU SEE ON THE EAST RIVER? DRAW IT HERE:

SOUTH STREET IN THE AGE OF SAIL. THIS IS HOW IT LOOKED IN THE 1880s, WAVERTREE’S DAY, WHEN FISHING BOATS, PASSENGER STEAMERS, FERRYBOATS, AND TALL SAILING SHIPS FROM ALL OVER THE WORLD CROWDED AT THE PIERS.
A SAILOR'S LIFE AT SEA ABOARD THE WAVERTREE

There's no going below for shelter when a storm approaches. It's aloft and into the rigging, to take in the sails. Nor is there any sleeping to the shop for a new sail up the wind tears one apart. It must be repaired, or a new one made, right on board ship!

THE DAVYMAKER

A STORM OFF CAPE HORN, AT THE SOUTHERN TIP OF SOUTH AMERICA, MEANS TWO MEN AT THE WHEEL, WITH A SHARP EYE ON THE SAILS. IT HAND DANCING WITH, AND THROUGH, THE BIGGEST WAVES IN THE WORLD. WAVERTREE WITH THEM THREW MANY TIMES. THE LAST TIME, IN 1940, THE WIND TOOK DOWN HER MAINMAST AND BLEW AWAY HER RIGGING.

FAIR, WEATHER OR FOUL, THERE'S ALWAYS A LINE TO PULL. THESE SAILORS ARE USING A CAPSTAN TO SHEET IN (TIGHTEN) THE FORESTAY SAIL. DID YOU SEE A CAPSTAN ON THE WAVERTREE? ON ANY OTHER SHIP?

WAVERTREE ENTERS NEW YORK HARBOR

1896: FILLED WITH CARGO FROM SOUTH AMERICA, SHE SAILS PAST THE STATUE OF LIBERTY.

1970: WAVERTREE RETURNS TO NEW YORK, MOST OF HER RIGGING GONE, COMING TO SOUTH STREET FOR RESTORATION.
RESTORING THE WAVERTREE

This is how the WAVERTREE looked when she was first built, and how she will look again at South Street. It will take a lot of work, and a lot of time, for it must be done just right.

CAREFUL! Don't look right at the bright sparks; it can damage your eyes. This man is welding the steel parts of the ship's mast together. He wears a mask, gloves, and a leather apron for protection.

WAVERETREE'S NEW MAINMAST is lifted into place with a giant crane.

Everything on a ship must be painted, tarred, or varnished, year after year, to protect it from the weather.

Color in the parts you can see today. Later, as WAVERTREE is restored, there will be more to color.

WAVERETREE's hull is made of iron plates held together with rivets. Each rivet is heated to a glowing red and put through a hole punched in the overlapping plates. Then the rivet point is hammered flat against the hole. Rivets will hold the plates together for a hundred years or more.

Do you see other ships at South Street with rivets?

Cutting through steel with a torch is a lot faster than using a saw, but it's tricky work.
TUGBOATS DOCKING SAND BARGES AT THE CEMENT PLANT UNDER THE BROOKLYN BRIDGE. IT TAKES A LOT OF SAND AND GRAVEL TO MAKE THE CEMENT TO BUILD THE CITY.

LOADING A FREIGHTER

CARGO GEAR ARE ANY NAVIES LEFT OVER FROM SAILING SHIPS? (ILL. RV 10)

SOME MODERN SHIPS HAVE NO CARGO GEAR: CARGO IS PRE-STOWED IN BIG CONTAINERS AND THEN HOISTED ABOARD BY CRANES ON THE PIER. DID YOU SEE ANY CONTAINERS AT SOUTH STREET?
Oil is the most popular form of fuel, and the river shows it; in its traffic — and in its water.

60 years ago, large schooners carried coal along the coast. You could have seen them being towed up the East River by steam tugs like Mathilda, the tug's black coal smoke darkening the schooners' sails.

Sterling is the smallest oil tanker at work in the harbor today. She often stops at South Street, for her captain and crew live in the neighborhood.

Today, oil comes to New York by sea, in giant oil tankers. It's loaded into barges and smaller tankers for delivery upriver.

A coastal oil tanker heads up the East River, loaded with oil...

...and comes back down, light and empty, for more.

When you look north from Pier 16, up the East River, you can see three bridges:

The Brooklyn Bridge is the nearest. Finished in 1883, it was the first bridge to cross the East River, two years before the Wavertree was launched. It's built of steel, suspended from massive stone towers. Once, it was the longest suspension bridge in the world. You can ride your bike or walk across it and get a fine view of the East River and the harbor.

The Manhattan Bridge is next up the river. It's steel framework forms fantastic shapes and designs. Subway tracks run across its lower level. When you take the D, F, or the B train, you will find yourself riding in the air, high above the East River.

Looking south from Pier 16, you can just see the tops of the towers of the Williamsburg Bridge. The other towers are in a park on the Manhattan Riverbank.

The other tower is in a park on the Manhattan Riverbank.

In the distance, where the river bends at Cole's Hook, you can see one steel tower of the Williamsburg Bridge. The other tower is in a park on the Manhattan Riverbank.

Looking south from Pier 16, you can just see the tops of the towers of the next suspension bridge in the world, the Verrazano Narrows Bridge. This is what it looks like from the Staten Island Ferry.
DID YOU SEE THESE THINGS ON THE PIERS?

WOODEN SHIP'S BOAT

AIR COMPRESSOR

WINDLASS

CHILDREN'S STORE

LIFE RING

WATER FOUNTAIN

ANCHOR (HOW MANY CAN YOU FIND?)

FORKLIFT

WHAT ELSE DID YOU SEE?
WHAT ELSE DID YOU DO?
HERE IS SOME SPACE TO DRAW OR WRITE ABOUT IT

WHAT IN THE WORLD IS THIS?

IT'S AN ICE-CRUSHING MACHINE. USED TO PRODUCE ICE CUBES FOR DRINKS OR COOLING FOOD.
SHIPS & THE RIVER
is a coloring book guide to the ships and boats on display at the South Street Seaport Museum, and to the lively East River traffic passing by the Museum Piers. In these pages are answers to questions, questions to answer; things to look for and things to learn; pictures to look at, to color, and to draw yourself. They tell part of the story of South Street, its ships, and the Great Harbor to which they all belong.

South Street Seaport Museum

Book & Chart Store 25 Fulton St.
Model Shop & Gallery 207 Water St.
Bowne & Co., Stationers 211 Water St.
Steamship Model Room 203 Front St.
Museum Exhibits 16 Fulton St.
New Fulton Market 200 Front St.
Museum Art Gallery 9 Fulton St.
Children's Store Pier 16
Education Workshop 165 John St.
Museum Offices 203 Front St.
Library 205 Front St.

SHIPS & BOATS AT PIERS 15-616
SHIP WAVERTREE* 4-masted bark PEKING*
LIGHTSHIP AMBROSE* steam tug MATHILDA
Schooner LETTIE G. HOWARD*
Schooner PIONEER steam lighter AQUA
Ferryboat MAJOR GENERAL HART
Floating Restaurant ROBERT FULTON
Repair, Bergen Marine Ship Chandlery
Hospital Barge, THE FLOATING HOSPITAL

*OPEN TO THE PUBLIC

GETTING TO SOUTH STREET:
BUS: M-15, South Ferry (Second Ave.)
Culture Bus II to Fulton & Pearl Streets
SUBWAY: Seventh Avenue IRT Express, or
Lexington Avenue IRT Express to Fulton Street
Eighth Avenue IND Express to Broadway-Nassau Sts.

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