If you could see inside



A PARRISH COLOUR BOOK FOR YOUNG CHILDREN

UNIVERSITY OF READING
Department of Typography
& Graphic Communication

Otto & Marie
Neurath
Isotype
Collection

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If you could see inside



If

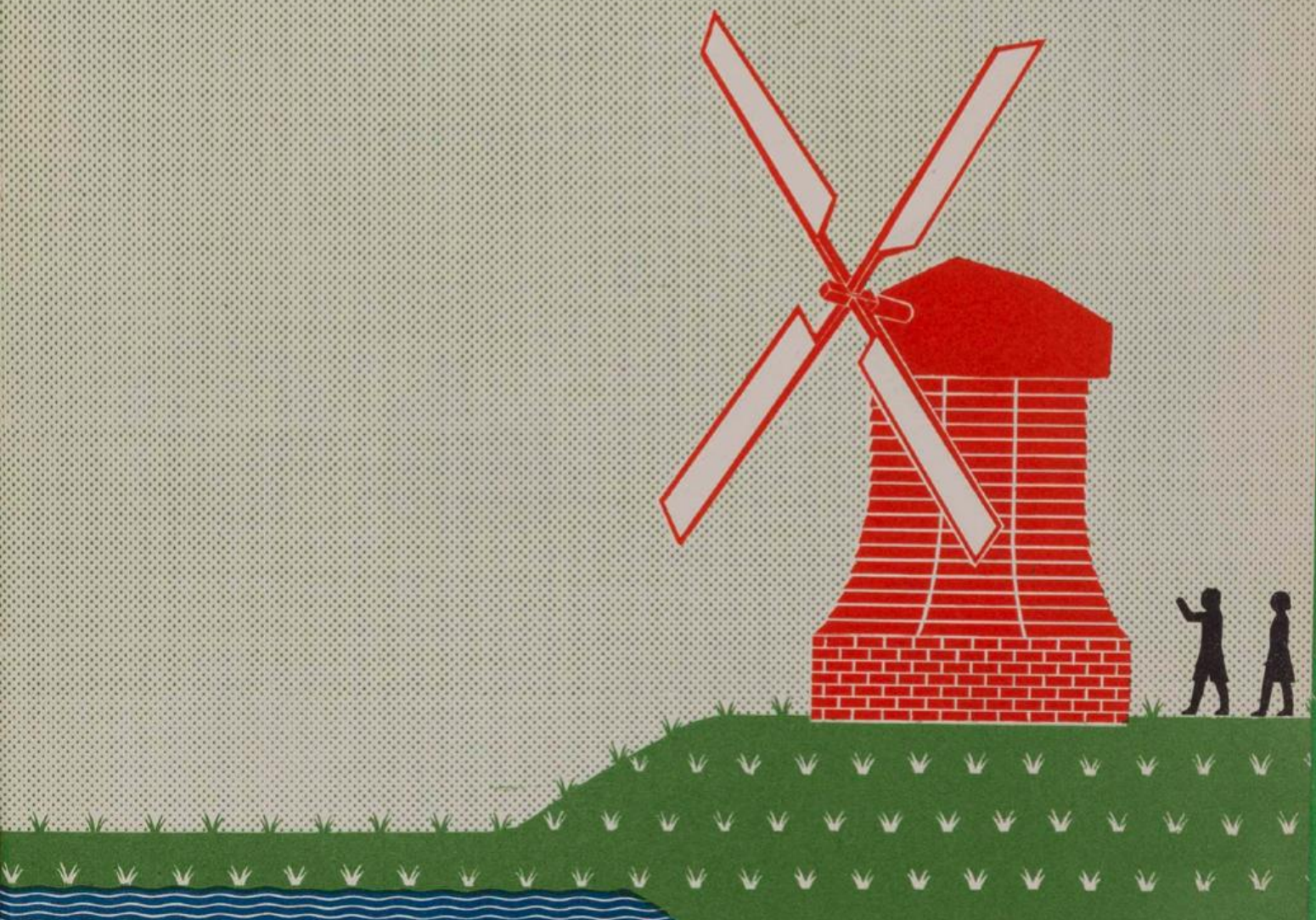
by Marie Neurath



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you could see inside





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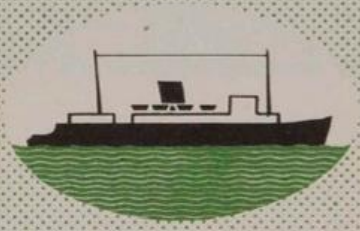
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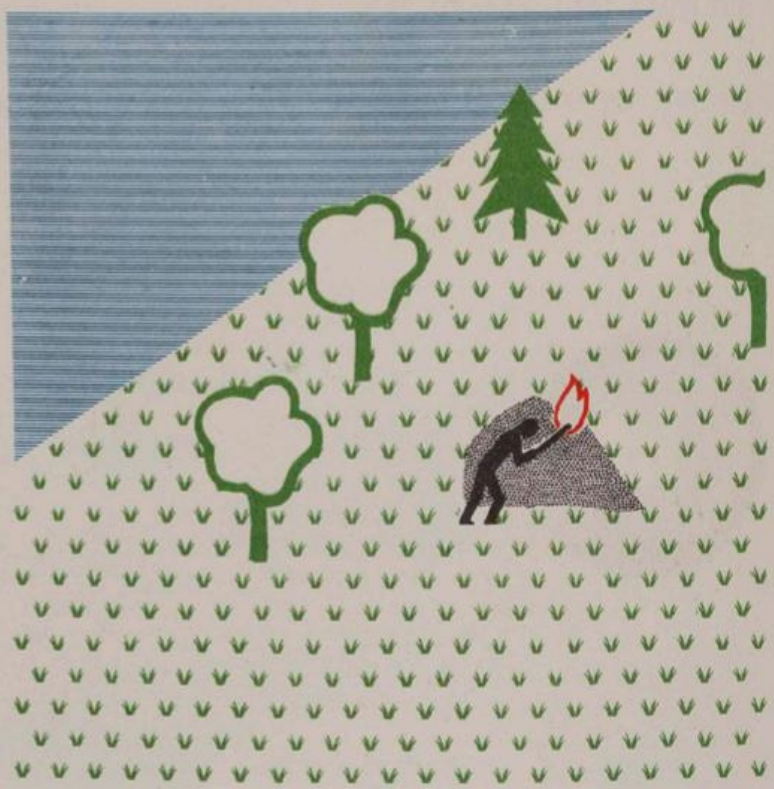




A Fairy Palace inside a Hill

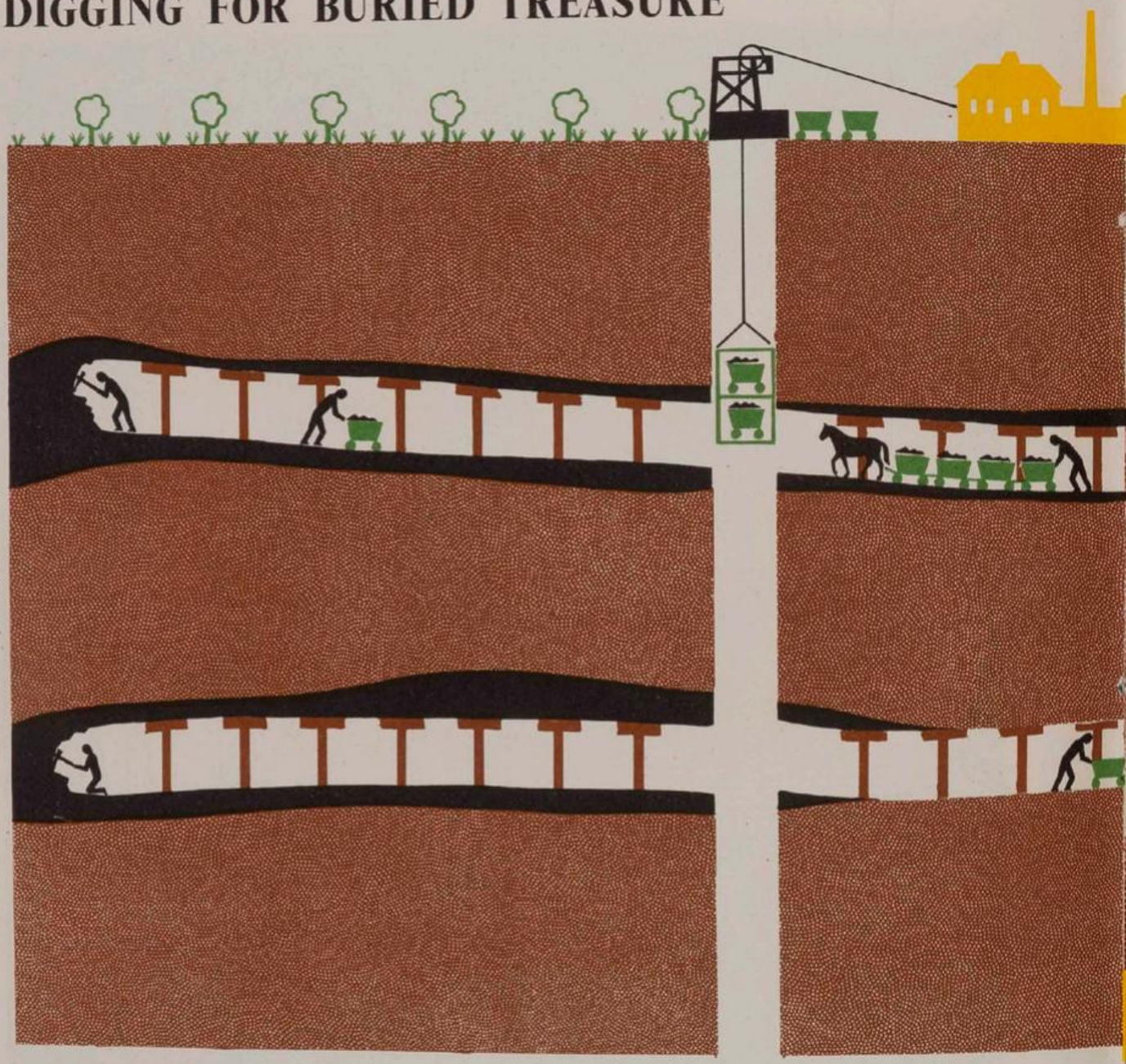
CAN you think of anything that looks more solid than a hill? Yet sometimes in the side of a hill there is a small dark opening. If we take a light and go through this opening we may find ourselves inside a cave as lovely as a fairy palace, with sparkling columns of coloured rock hanging down from the ceiling and rising up from the floor. Sometimes there is also a little river of cool blue water flowing through the depths of the cave.



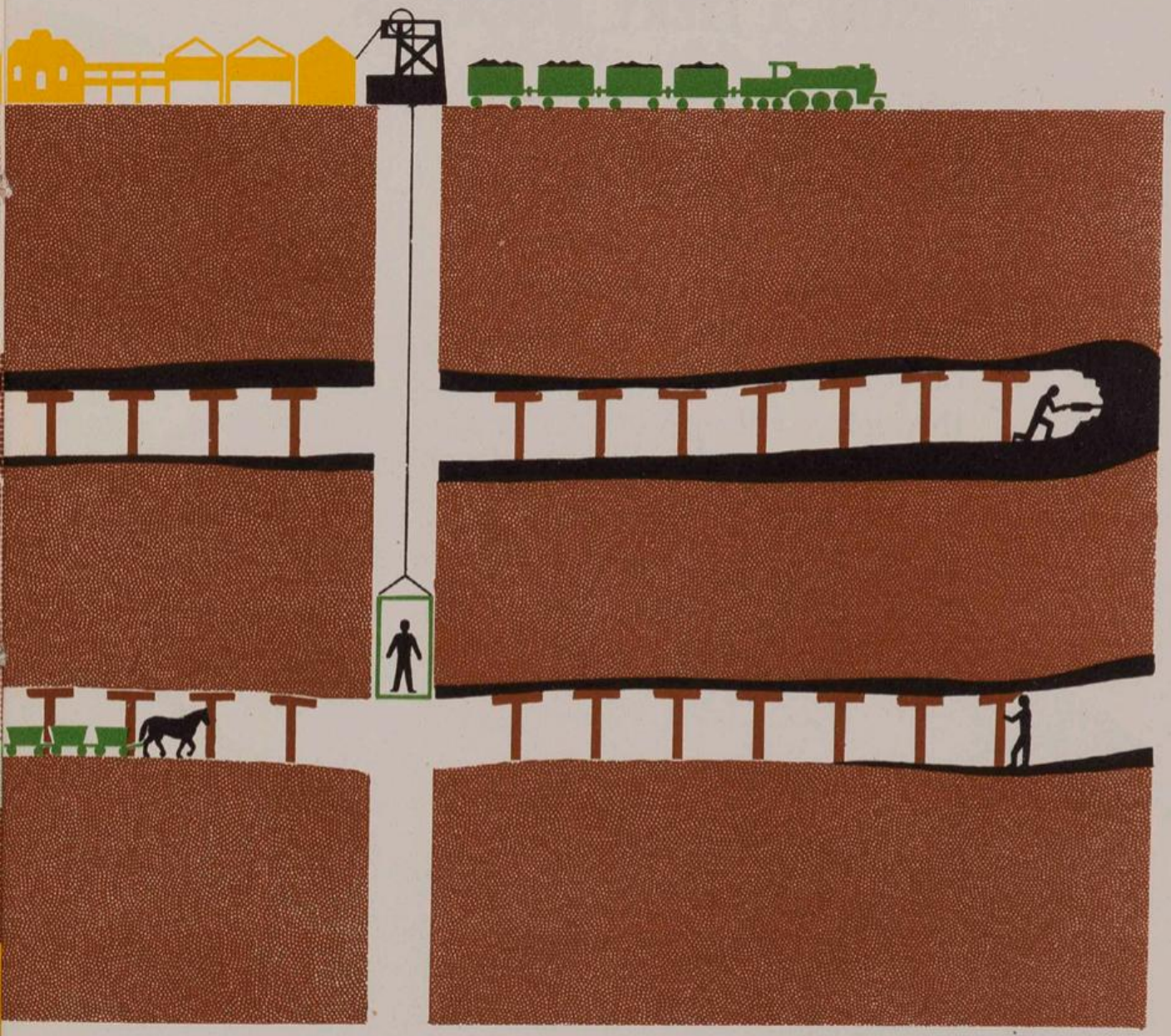




DIGGING FOR BURIED TREASURE



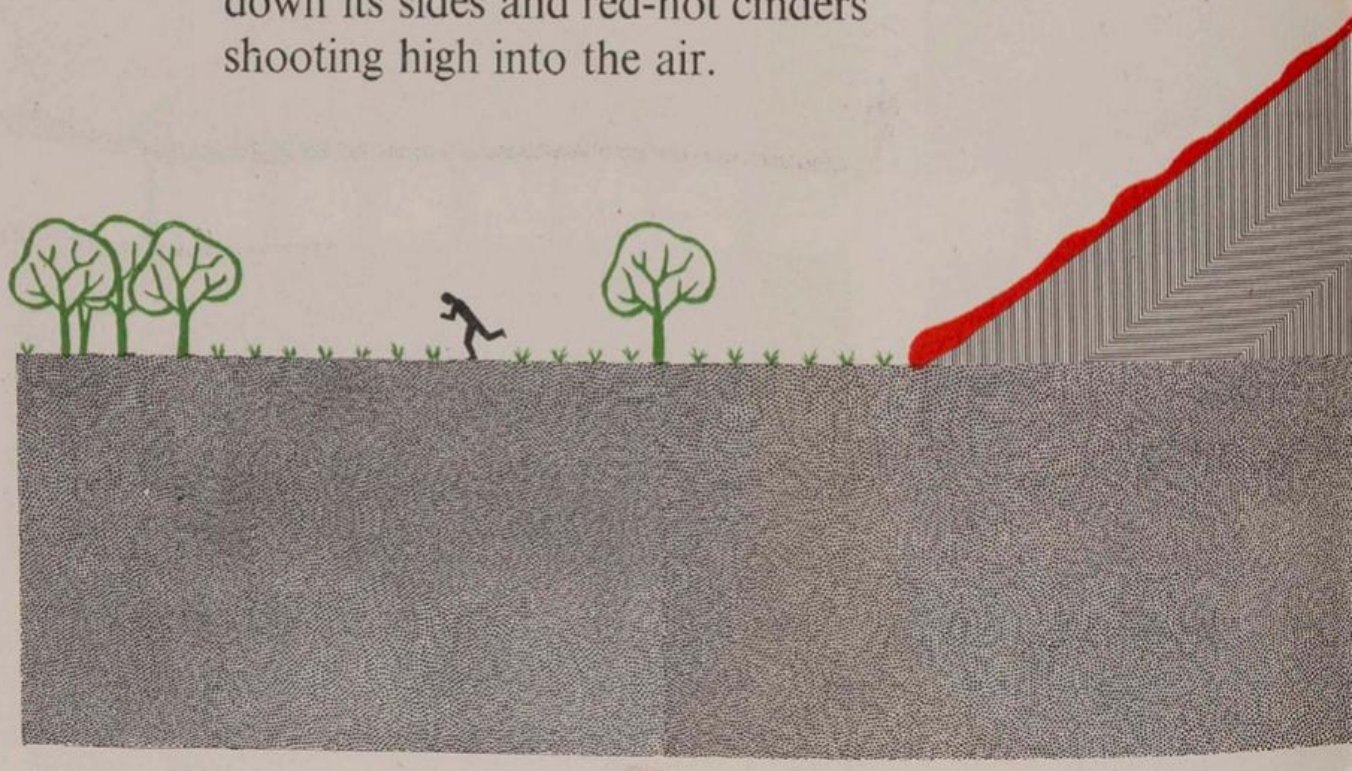
MEN dig underground, too, in their search for the buried treasure we we should see something like this. In long tunnels strengthened with miners and the ponies which draw the coal-tubs go down the mine in



call coal. If we could cut down through a coal-mine with a giant knife, stout wooden beams, men are working with picks and drills. The big lifts. Most mines are deeper than this and have more tunnels.

INSIDE A FIERY MOUNTAIN

STILL deeper even than the deepest mine, the earth is very hot, so hot that the rocks are molten and sometimes boil over through the great funnels, or craters, of volcanoes. If we could cut through a volcano at such a moment it would look like this, with molten rock called lava pouring down its sides and red-hot cinders shooting high into the air.

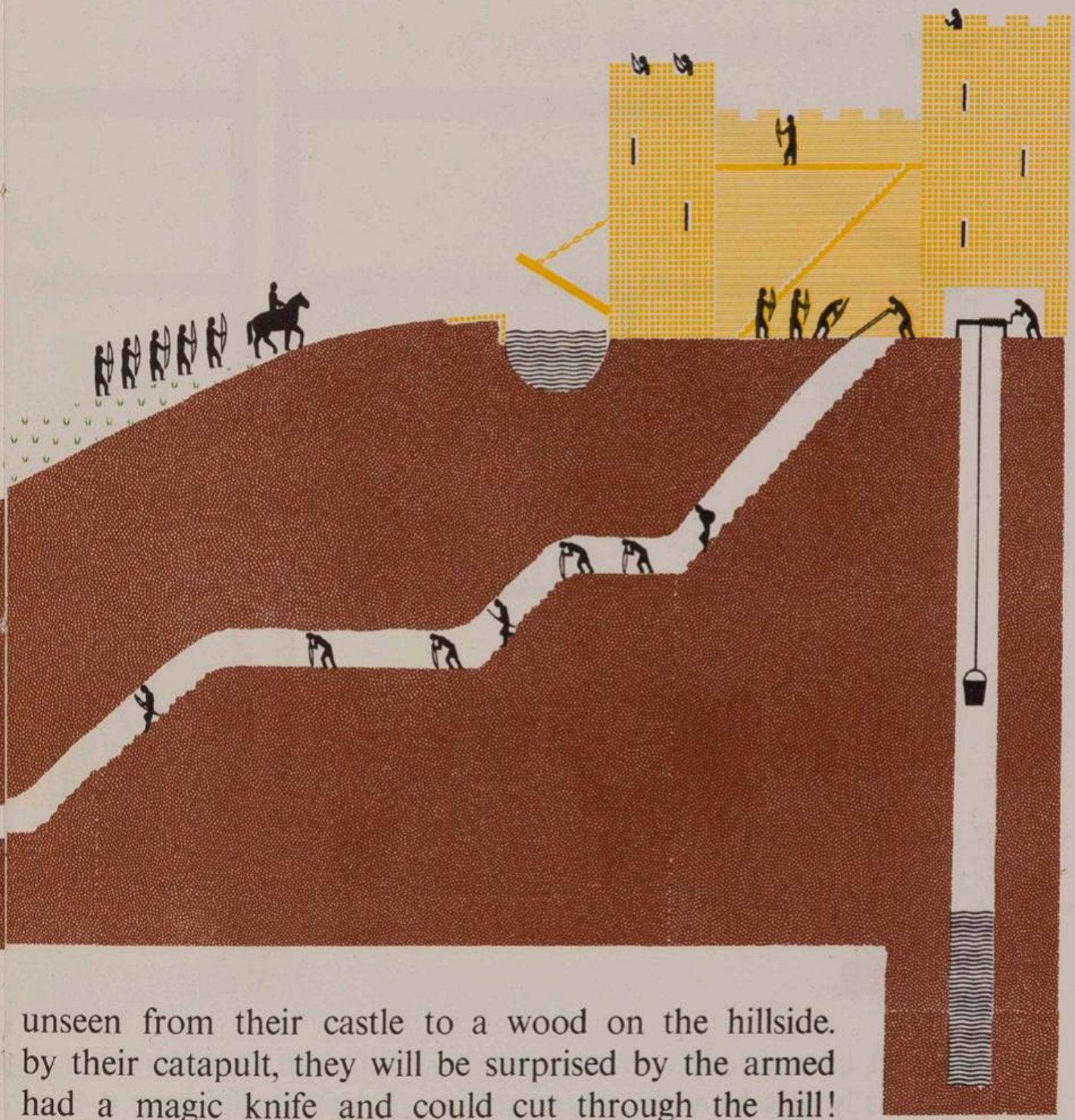




IF THEY COULD SEE INSIDE!

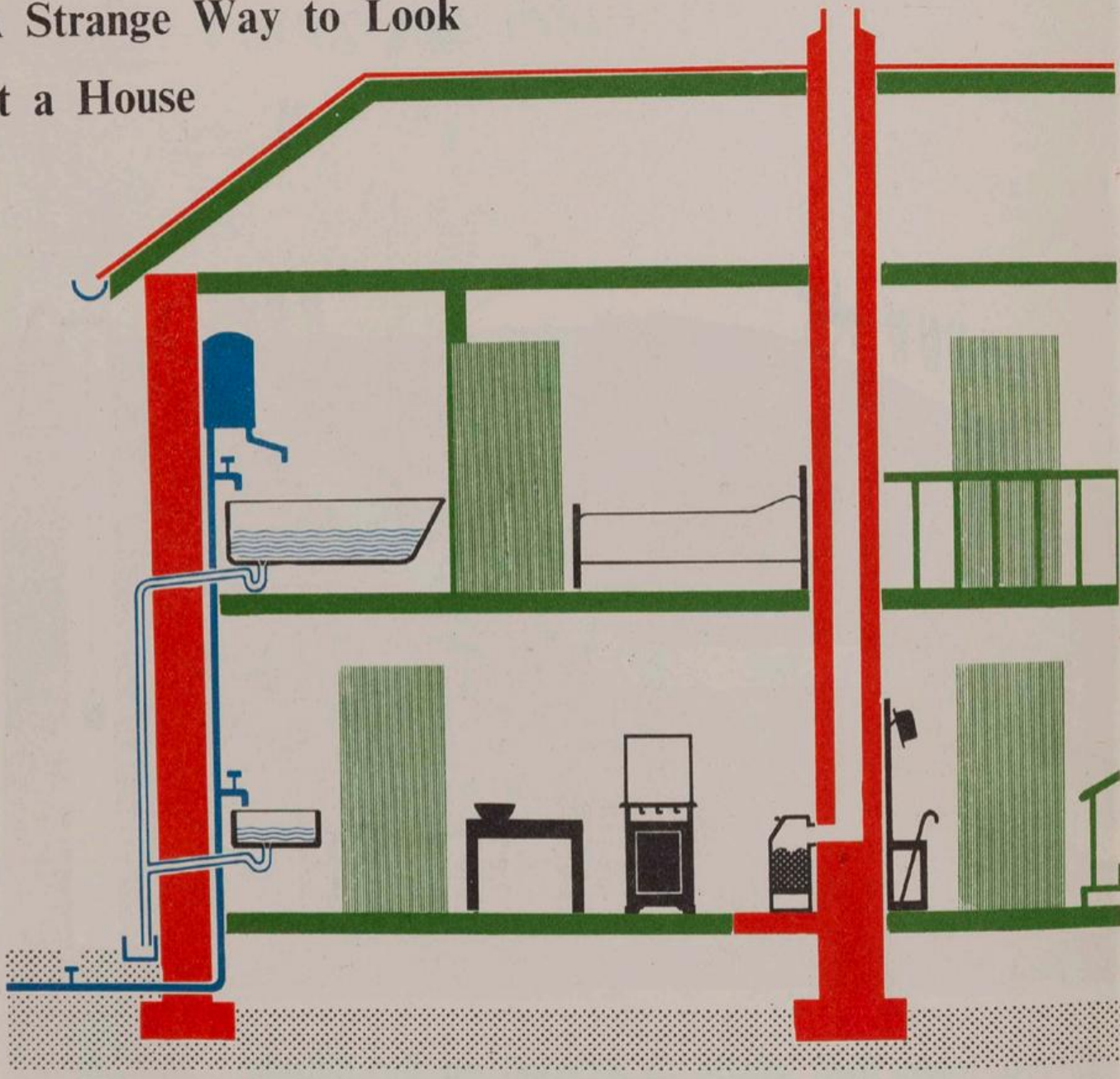


MEN dig secret tunnels sometimes. Through this one they can creep When the enemy attack with their arrows and the big stones hurled men coming out of the wood to attack them from the rear. If they

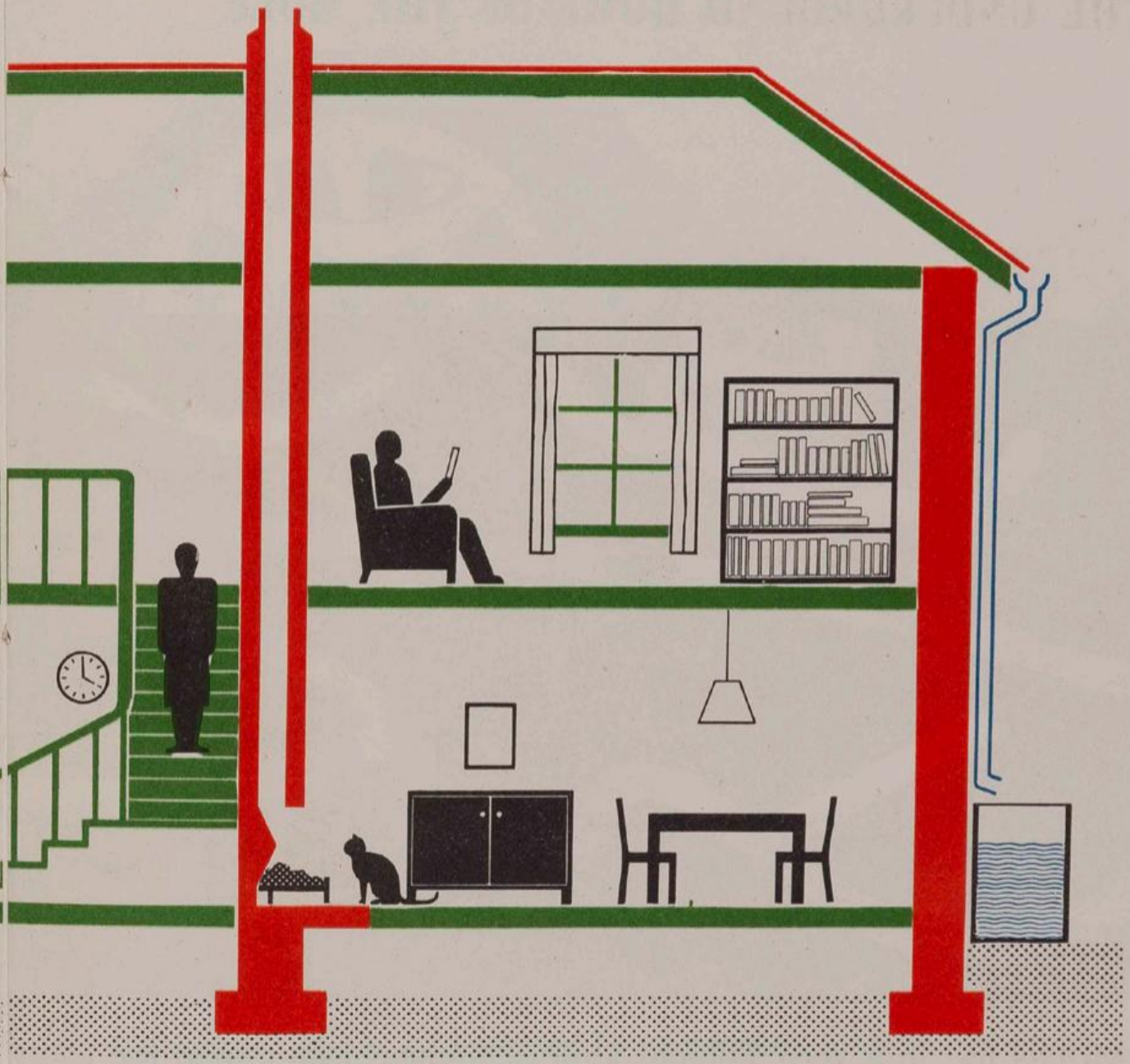


unseen from their castle to a wood on the hillside.
by their catapult, they will be surprised by the armed
had a magic knife and could cut through the hill!

A Strange Way to Look at a House



WE have all been inside a house, but how different it looks when it
chimneys really are, how the water gets to the tap, and where it runs



is cut through with our magic knife! Here you can see how long the
when you pull the bath-plug. Deep foundations make the house strong.

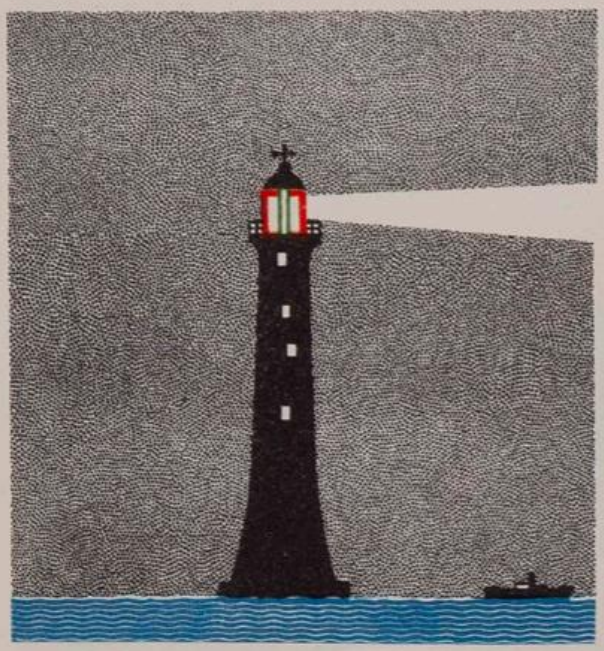
THE UNDERGROUND HOME OF THE MOLE



MOLES live in a very different kind of house, hidden amid the roots
creatures spend much time hunting underground for worms to eat. To
The molehills you see in fields are not part of the moles' nest.



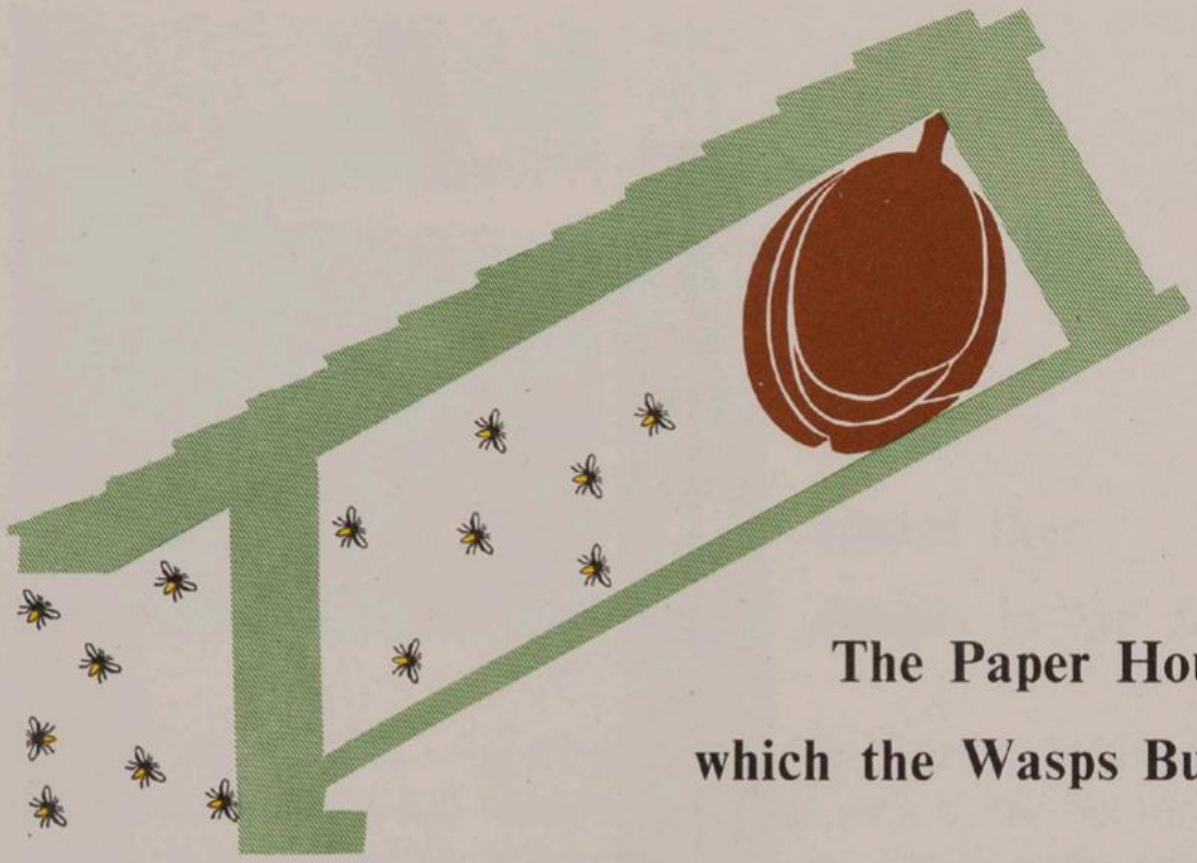
of a tree where they are protected from enemies. These hungry little
do this they dig many little tunnels with their strong front legs and feet.
They are made by the earth which is thrown out of these tunnels.



The Lonely House that Stands in the Sea

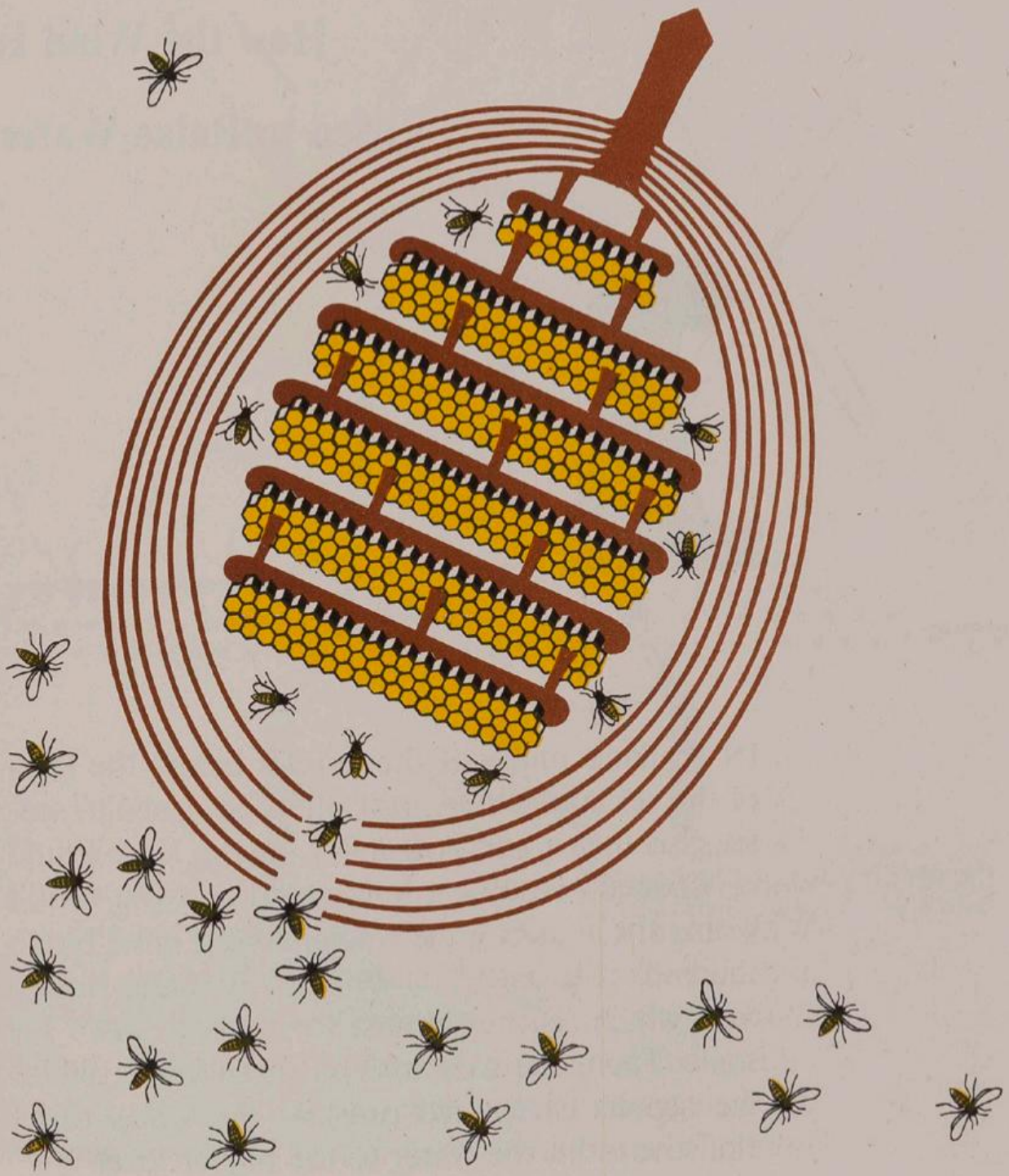
ONE of the most exciting houses men live in is the lighthouse, which stands like a tall tower on a lonely rock in the ocean. It is built high so that its light may shine far out over the sea at night and warn the ships away from dangerous rocks. It is built stout and strong on solid rock so that it will stand firm against the wildest winds and heaviest seas. In this narrow house all the rooms are placed one on top of the other and connected by a spiral staircase. First, just above the tank which stores fresh water, is the entrance-room which is reached by steps leading up the rock. Then come rooms for storing food, rooms where oil is stored for the lamp, a living-room, a bedroom and the working-rooms. Right at the top is the great light which the men must keep shining brightly every night.



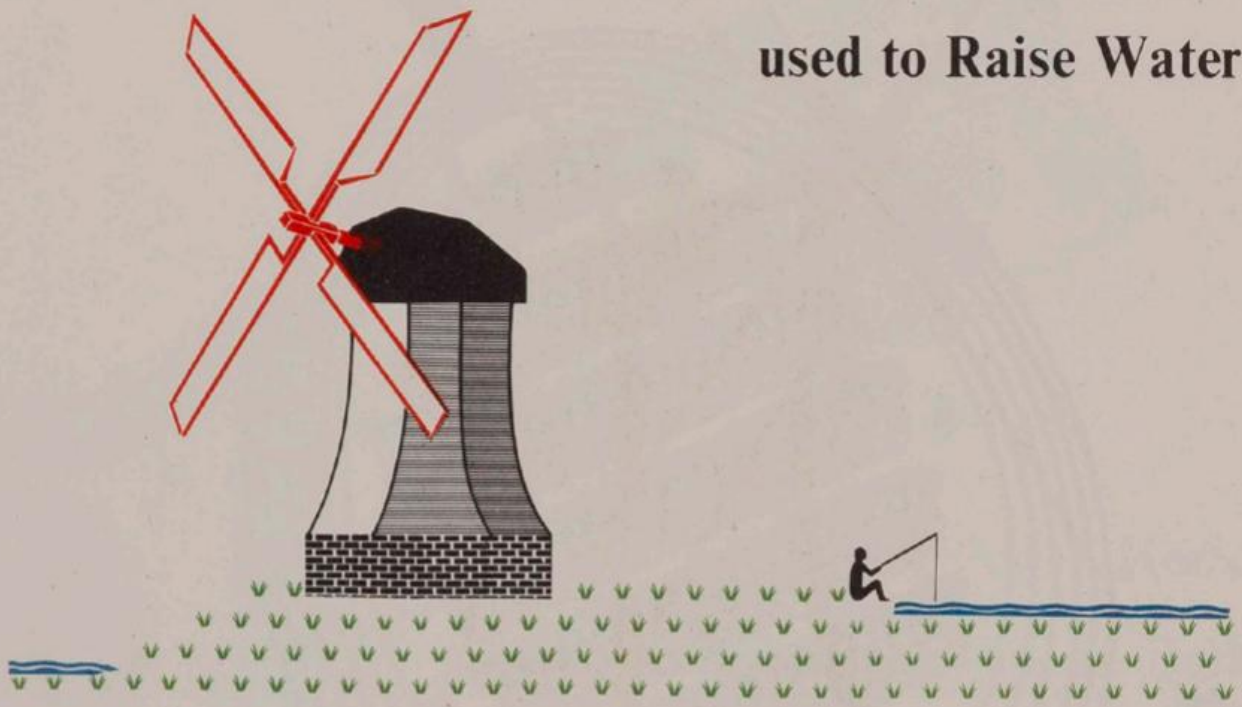


The Paper House which the Wasps Build

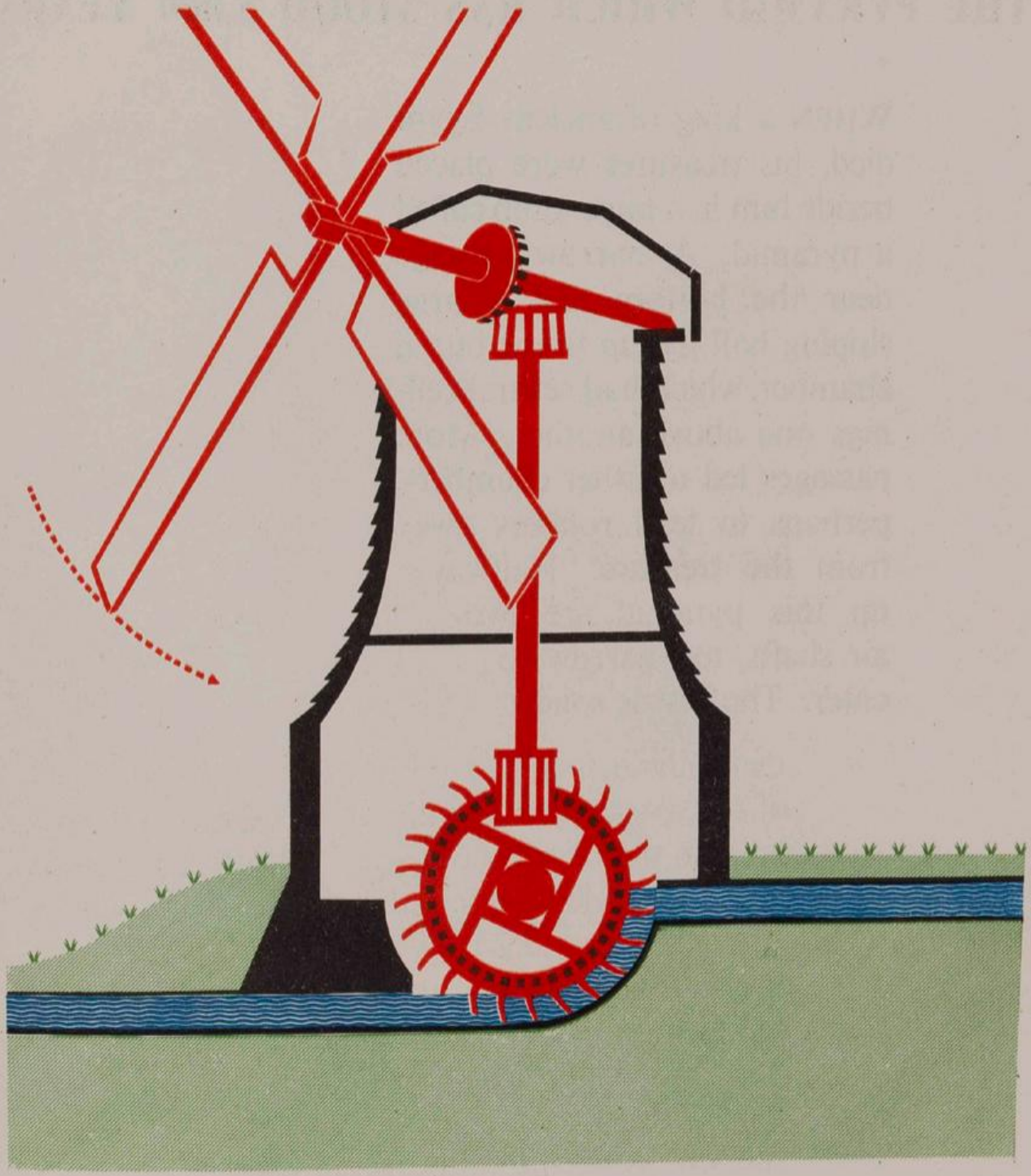
SOME wasps build their nests under the eaves of a house. First the queen wasp grinds tiny scraps of wood between her jaws into stuff called "wasp-paper". With this she makes a pillar, hanging from the roof, and adds to it a round platform with many thimble-shaped cells beneath it where she lays her eggs. She adds a balloon-shaped covering to complete the nest. As the eggs hatch, the new wasps add more platforms, take off the old covering, and make a larger new one.



How the Wind is used to Raise Water

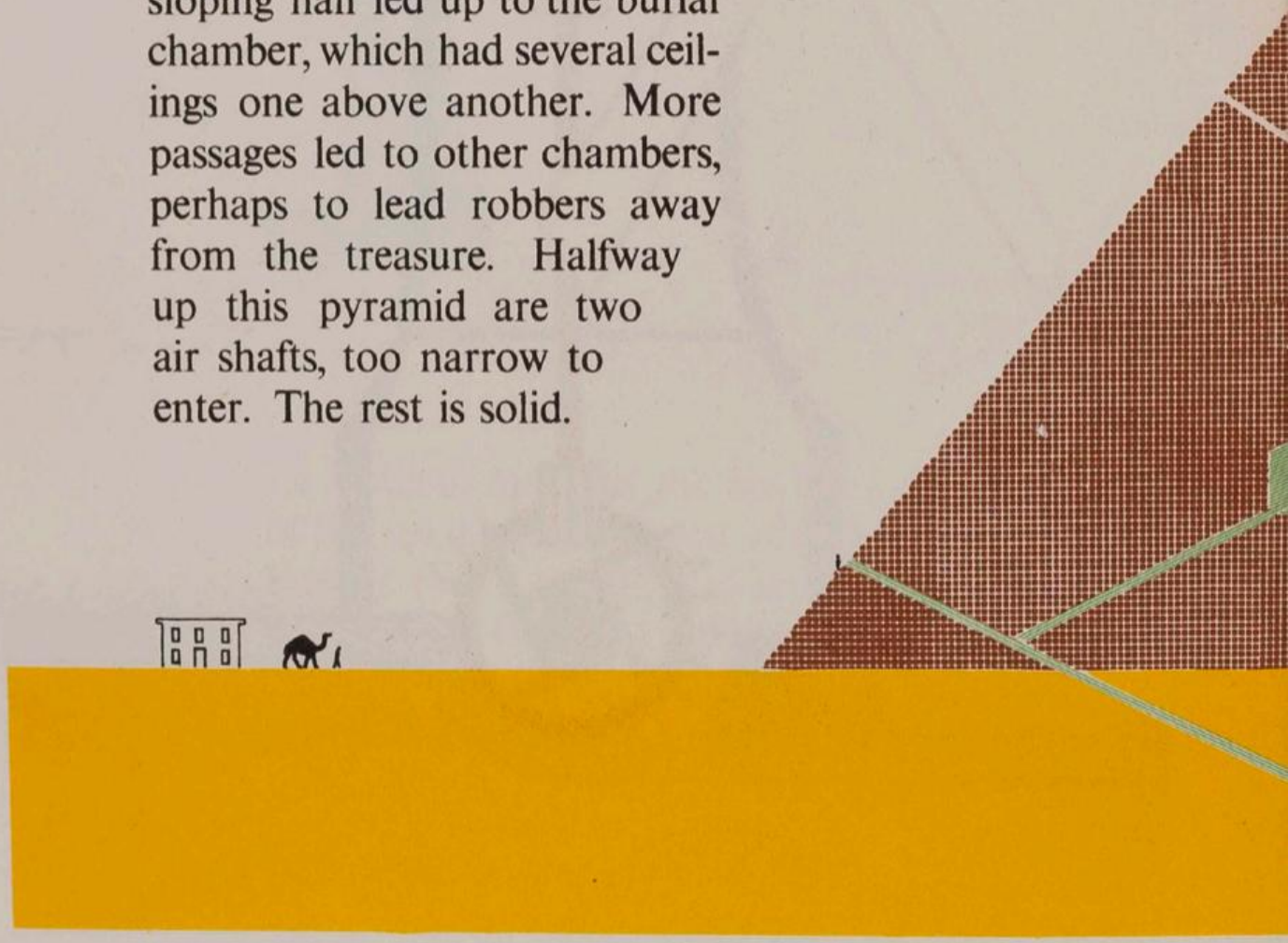


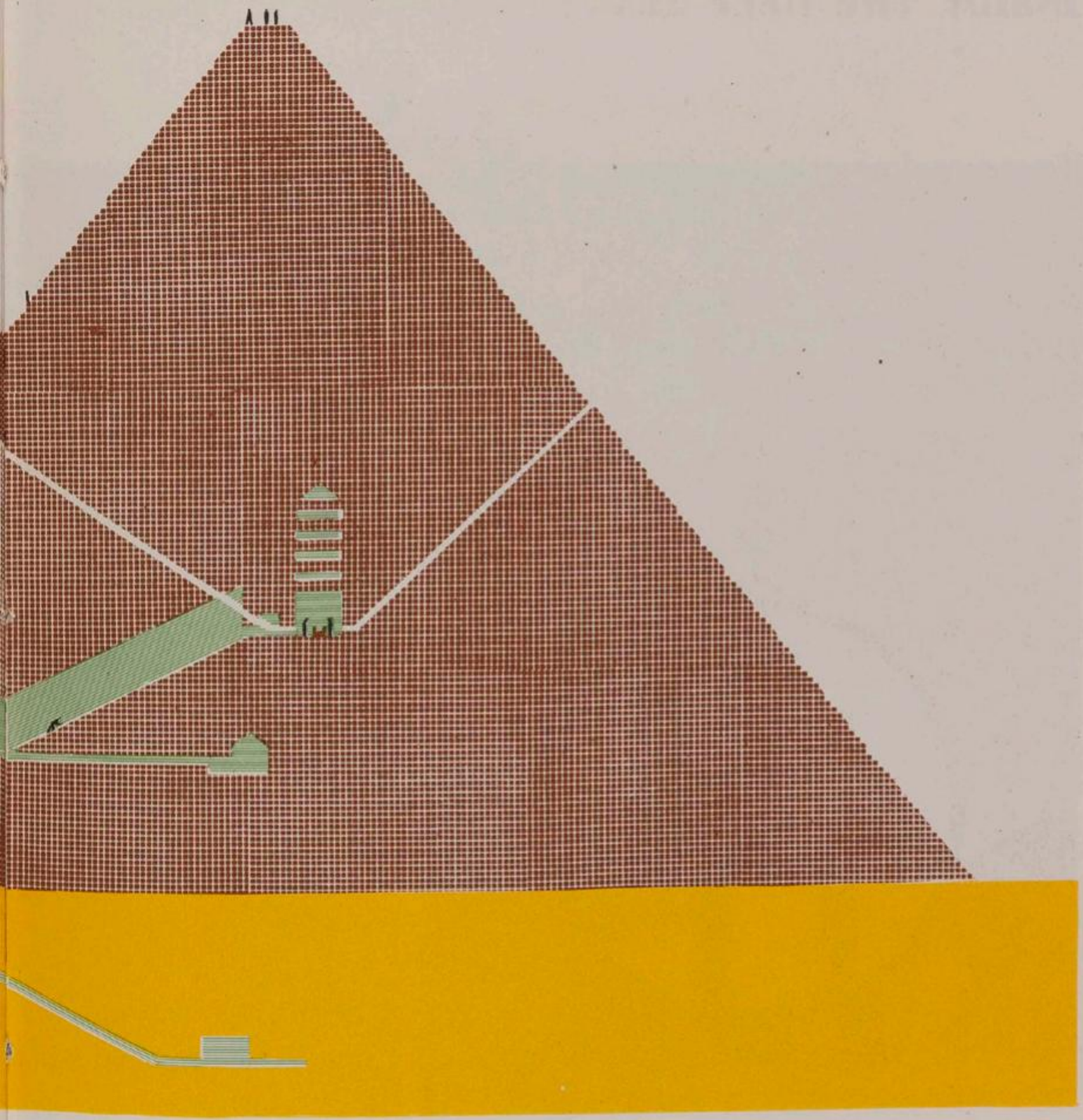
IN Holland much of the land is below the level of the sea, and water must often be raised to sea-level so that it can flow away, or the land would be flooded. Here is a mill which uses the wind's strength for raising the water. As the wind blows the mill-sails round, they turn a huge slotted axle which reaches almost to the bottom of the mill. There the axle turns a large wheel which has scoops fixed to its rim. As this wheel turns, the scoops lift the water to the higher level.



THE PYRAMID WHICH HAS STOOD 5,000 YEARS

WHEN a king of ancient Egypt died, his treasures were placed beside him in a huge tomb called a pyramid. A narrow passage near the bottom and a large sloping hall led up to the burial chamber, which had several ceilings one above another. More passages led to other chambers, perhaps to lead robbers away from the treasure. Halfway up this pyramid are two air shafts, too narrow to enter. The rest is solid.

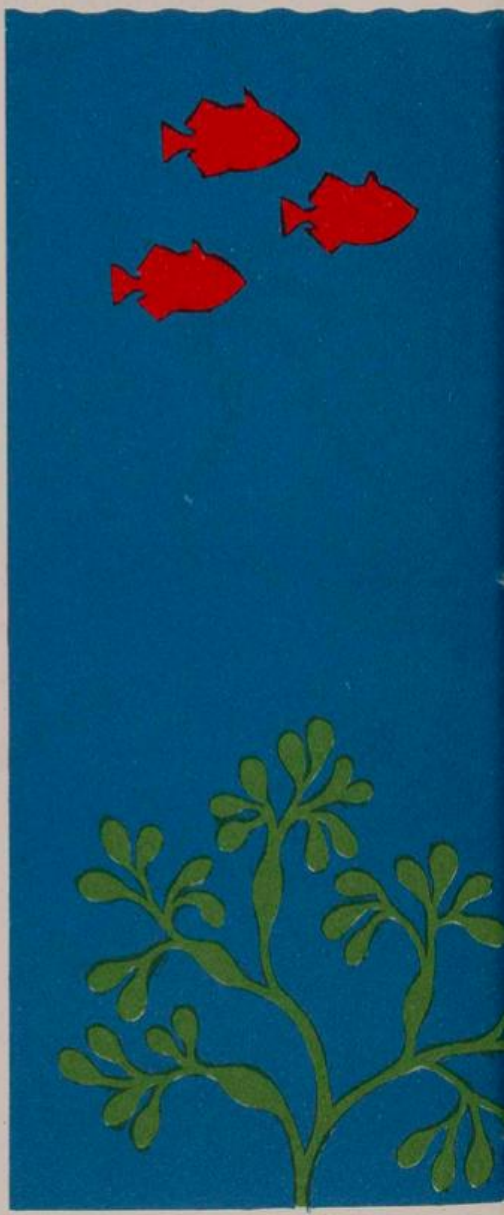


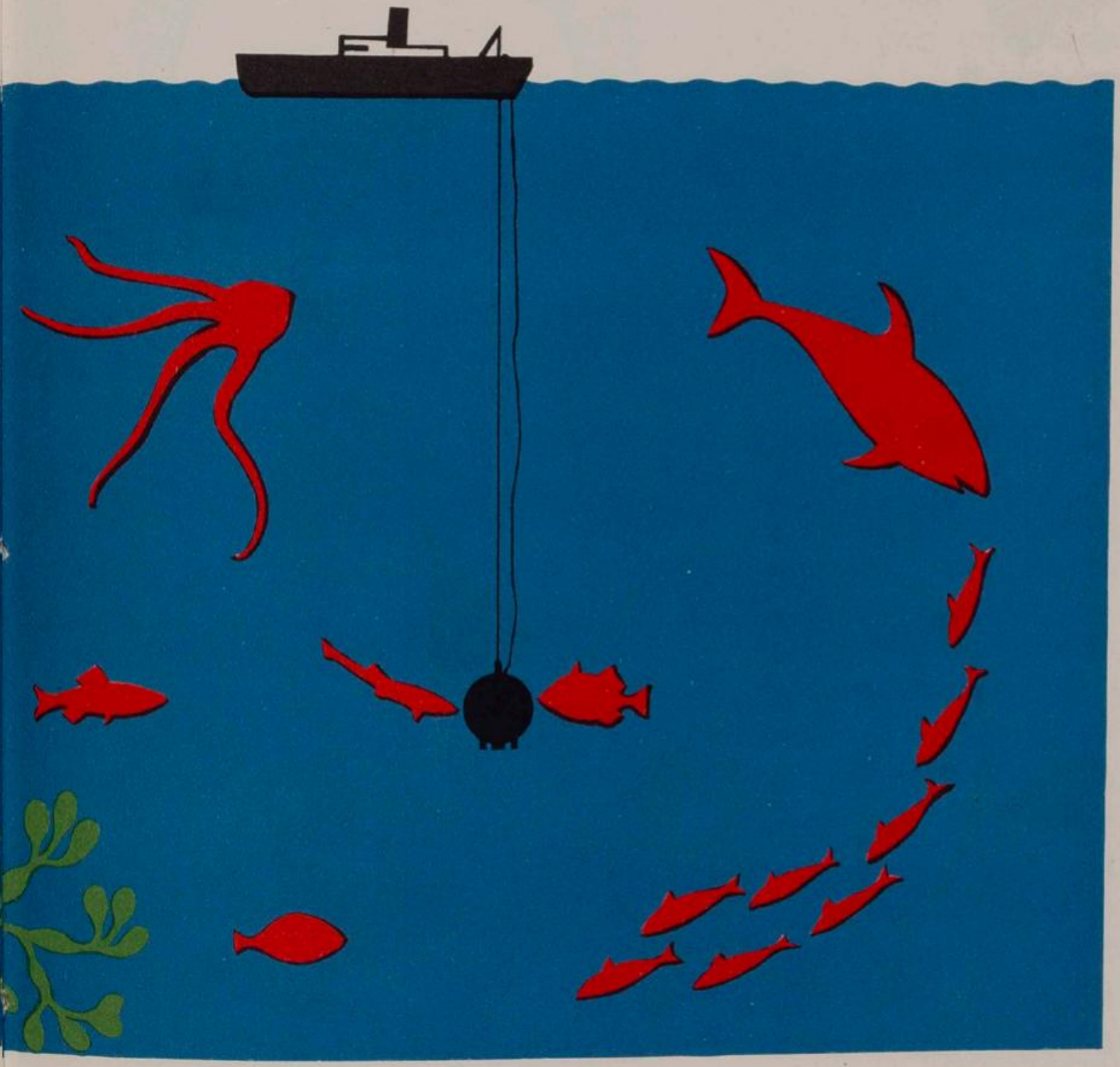


INSIDE THE DEEP SEA

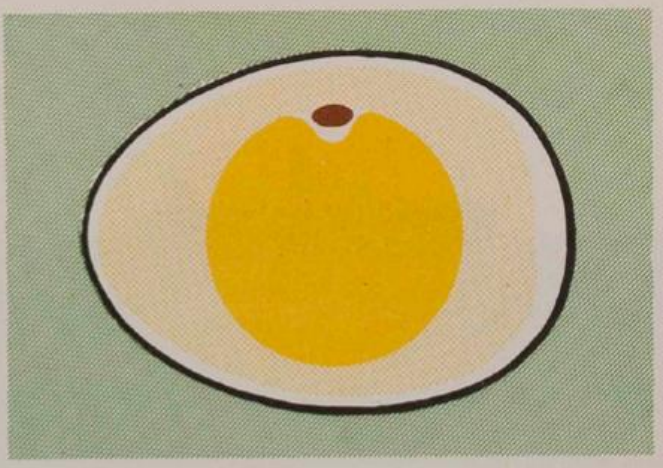
To go exploring in the deep sea, men use a large steel ball with thick glass windows, called a diving chamber. This is lowered from a ship by a strong steel cable. A smaller cable carries electricity for the light and telephone which are used inside the ball.

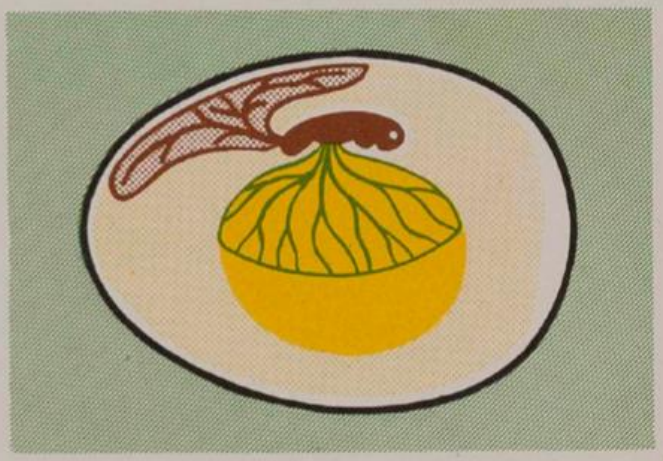












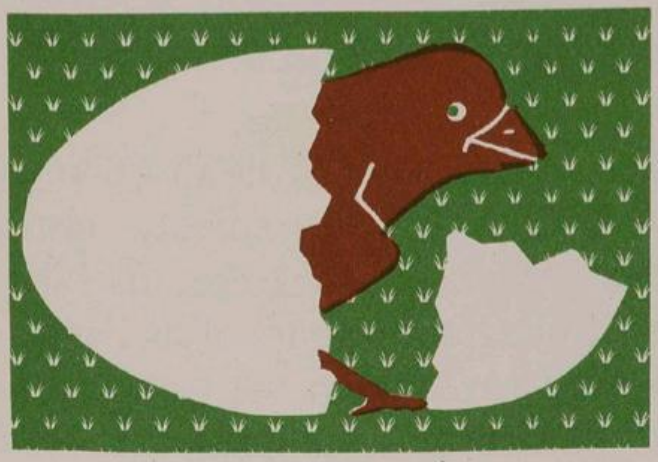


The Wonderful Thing that Happens inside an Egg

ALL the time a hen sits over her eggs and keeps them warm, a wonderful change is taking place inside each egg. At first it is simply an ordinary egg with a speck in it. Soon the speck develops into the beginning of a tiny body, with two

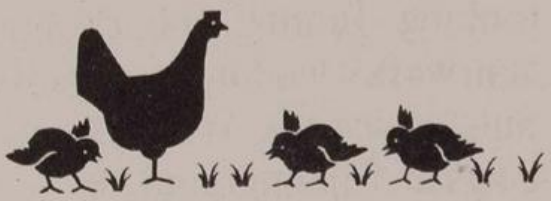




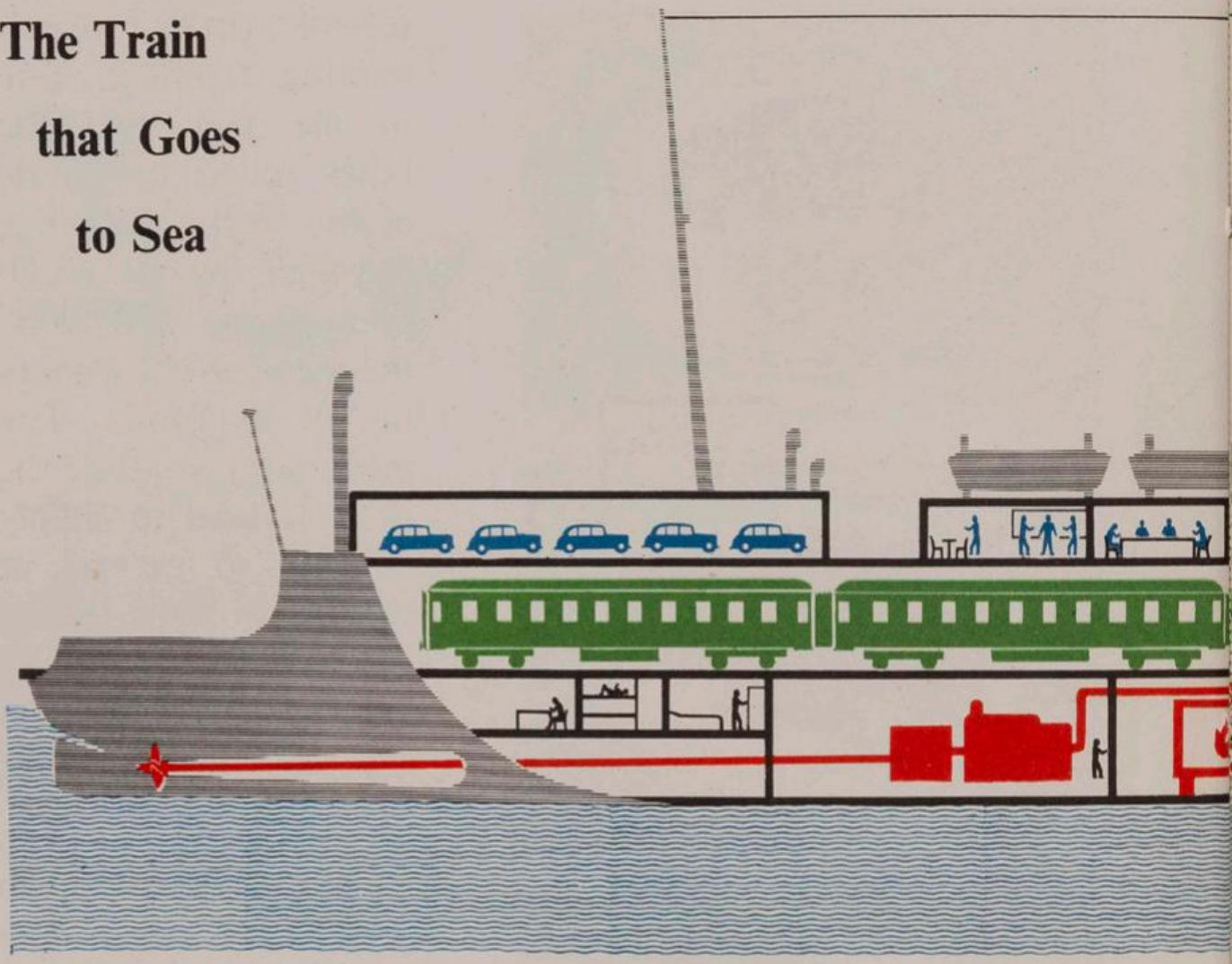


sets of vein-like vessels leading from it, one to the yolk and the other round the inside of the shell.

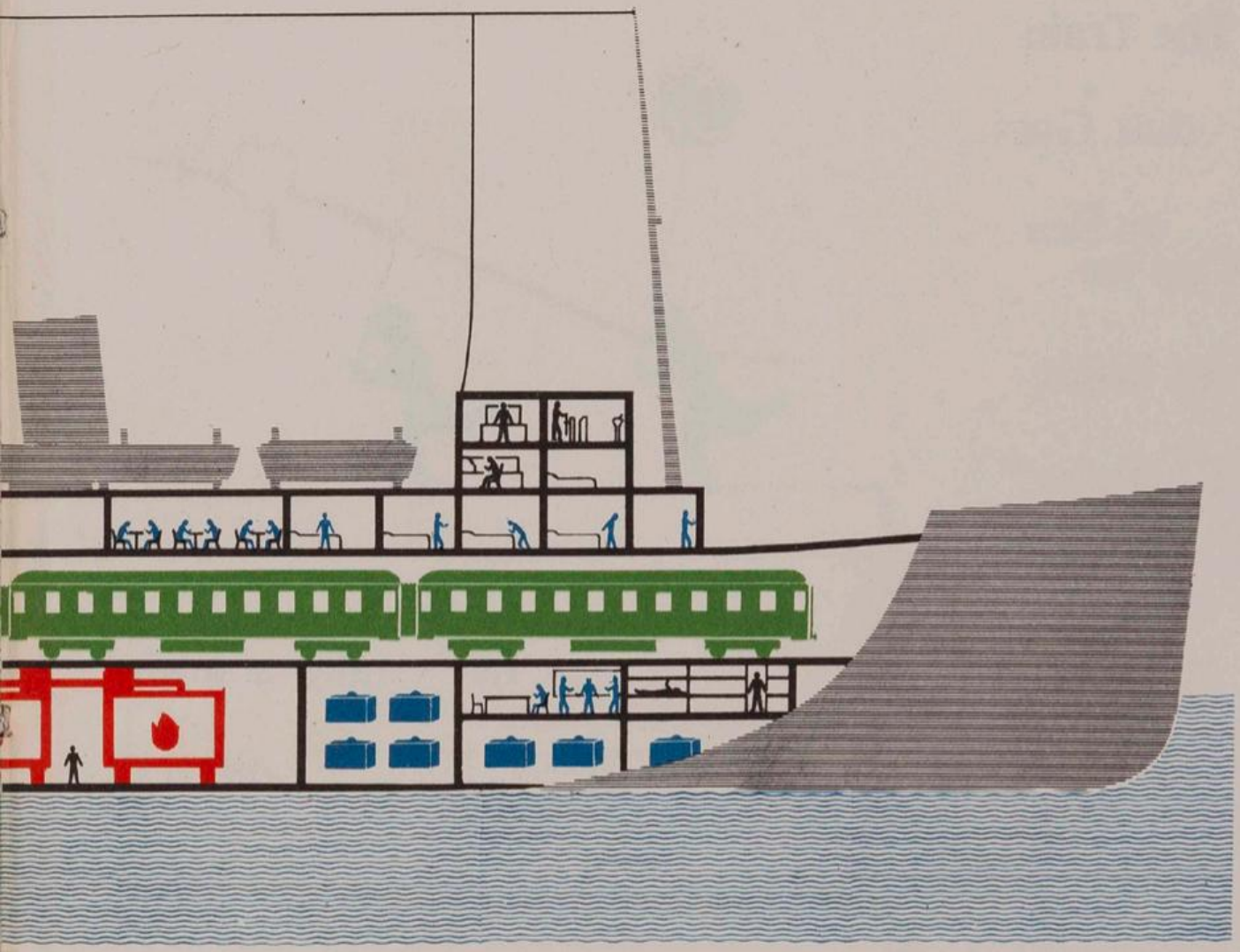
Through the set which goes round the yolk, the growing chick takes in all its food. The other set, just inside the shell, is used to supply air and to get rid of waste. In time, when the chick has used all the food, it breaks the shell and begins life in the world outside.



The Train that Goes to Sea

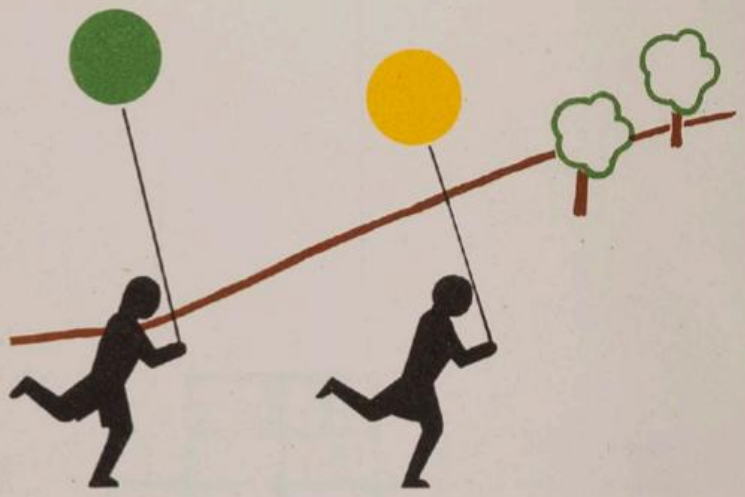


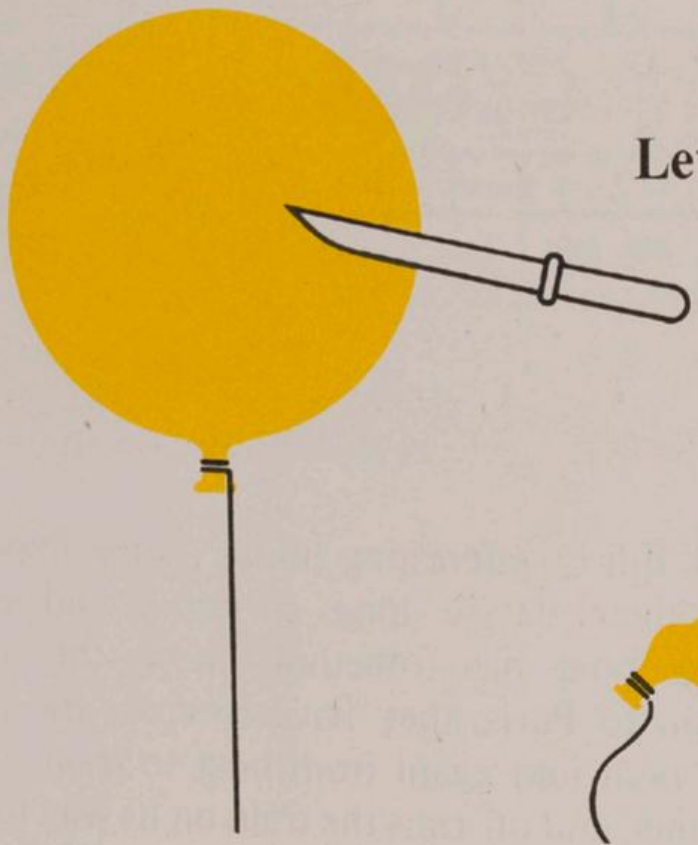
FROM the top of its slender masts right down to its throbbing engine-looking funnel, the captain's bridge with its shining instruments, stairways leading to passenger cabins, dining rooms and cargo puts to sea it carries a whole railway train as part of its cargo. When English Channel and the ferry boat saves them the trouble and delay English port the train runs on to railway lines inside the train-ferry.



room a big boat is always full of interesting things — the important-life-boats hanging from their davits, long corridors and narrow decks. But the train-ferry boat has something more, for when it people travel from London to Paris, they have to cross the narrow of changing from train to boat and again from boat to train. At the The boat crosses the Channel, and off runs the train on its way to Paris.

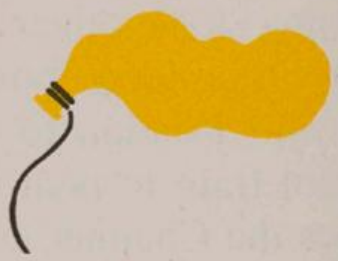
Can we
see inside
a balloon?





Let's take a knife
and try.

Oh!





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