## TWILIGHT-LAND:

Here we are in twilight-land. Creakety-creak, Rocking-chairs at every hand Sway and swing and squeak; Here is neither park nor street Bare are the little twinkling feet: White are the gowns and loose: No place here for ball or bat, No need now for coat or hat, None for stockings or shoes.

What are the stories of twilight-land ? Hark, ah, hark! Call the sweet names where they stand, Waiting in the dark. Cinderella, and little Bo Peep, Who lost her sheep, her pretty sheep, Jack Horner, bold boy Blue, And the three bears living in the wood, And the wolf that ate Red Riding Hood,

And the spinning pussy too. The little children in twilight-land Are still as mice,
And the storyteller must understand She's to tell each story twice.
The crickets chirp, the stars' eyes wink; Perhaps the man in the moon may think Them saucy in their play;
But, whatever is heard or said or done, Each sleepy, weary little one Gets rested for next day.

For the pillow is white in twilight-land, And white the bed, And the tender loving mother's hand Is laid on the drowsiest head. And list, the tune she hums and sings, As with soft creak the rocker swings, How far away it seems! That tune—that lullaby—ah, me! They are leaving twilight land you see For the stiller land of dreams. -Clara Doty Bates, in Youth's Companion.

## STAR-FISH.

BY SARAH COOPER.

Those of you who go to the sea-shore in summer have perhaps discovered that starfish like rocky coasts the best. They are found most abundantly where the crevices between the stones afford good hiding-places for themselves and for the animals upon which they feed. They do not thrive upon muddy or sandy bottoms, and boys and girls hunting for curiosities upon such beaches are often disappointed to find no

They spend most of their time creeping over the rocks, though they love to be where the tide will ripple over their bodies and keep them well supplied with sen water, which they depend upon for their lives.

Our dried specimens are yellow, but when alive, star-fish are of a dull red color, sometimes tinged with purple. They seem plump and fat on being taken from the ocean, but they are only puffed up with water; and if you watch them closely you will see the water oozing out all over the back. No doubt you have learned how tedious and discouraging it is to attempt to dry star-fish. The best way is to put them first in fresh-water, which kills them at once; then leave them for an hour or two in alcohol to harden the tissues before placing them in the sun or in a warm oven

Our common star-fish has five hollow rays or arms, extending from the centre like a star. If any of these rays are broken off, others grow in their places. It is a singular fact that these animals can break themselves to pieces, or throw off their rays, when they become alarmed.

Star-fish glide along smoothly, and without apparent effort. They bend their bodies into various shapes to fit the inequalities of the surface over which they creep, and in order to do this they require a movable skeleton. See how beautifully nature has provided for this necessity by forming the skeleton of this linestone plates, so joined as to admit of slight motion. These plates are represented in Fig. 1, which is the under side of a ray, and the end having been broken off, we can see the two hollow tubes which it contains tubes which it contains.

Look now at the upper side of your star-fish, Fig. 3, and notice the knobs and short spines with which it is covered. Between these spines are tiny forks, with two prongs that are constantly snapping. The use of the forks is not perfectly understood; they sometimes catch small prey and they may the segment of the forks is not perfectly understood; they sometimes catch small prey, and they may also be useful in removing particles of matter that would choke up the pores the segment of the suckers of matter that would choke up the pores the segment of the careful of their eggs, that the suckers near the section of their eggs, in intimate intercourse with the people of a certain region of this country, wrote a book describing them, which is admitted to be accurate in all essential points.

SATAN, the great accuser, doth not only accuse the brethren unto God, but doth are noted for their peaceable, charital regards accuse God unto the brethren.

which open on the surface. The round spot near the middle of the back and be-

tween two of the rays is called the "mad-reporic body," and is an interesting object. It is a sieve, admitting water into tubes which run to the end of each ray. During life the madreporic body is bright-colored, and it strains all the water that enters the tubes, so there is no danger of their becoming choked.

Now if we turn our star-fish over we shall find its mouth on the under side. This is an important organ, for the star-fish busy themselves continually with eat-



Fig. 1.-Under Side of Ray.

ing. They are especially fond of live oysters and clams, and they have the odd-est way of eating them. They turn their est way of eating them. They turn their stomachs right out into the oyster shell, surrounding the soft body of the oyster, and sucking it up. When the star-fish and sucking it up. When the star-fish feeds it not only bends its rays into a cup shape to hold on to its prey, but multitudes of tiny suckers spring up to help, and the prey finds escape impossible. Oysters are generally so quick to close their shells in time of danger that we cannot understand why they should allow the

around the mouth, and took the eggs away. fter a time he placed the eggs back in the dish, and was surprised to see the star-fish move toward them, and placing itself over them, fold them again in its suckers. Thinking this must be accidental, he took the eggs again, and putting the star-fish in a larger dish, with some obstacle in the middle, he dropped the eggs in the opposite end of the dish. The star-fish, creeping over the obstacle, went immediately to the eggs and took possession. The experi-ment was tried the third time, and, as before, the mother lost no time in gathering up the eggs and snugly tucking them away under her suckers.

The star-fish's fondness for fresh oysters is a serious matter to the oyster-grower. and causes him to lose large quantities of his valuable property. It is estimated that the damage every year to the oyster beds between Staten Island and Cape Cod amounts to \$100,000. Large numbers of star-fish sometimes appear suddenly and unexpectedly upon shores where oysters are raised. They seem to be washed in from the deep sea, and settling upon the oysters, they begin their work of destruction, and consume many bushels in a short time. These attacks occur chiefly in the latter part of summer or early in the fall, and are much dreaded by the owners of oyster beds

An account is given of an oysterman on the Massachusetts coast who, after a few rainy days, discovered that the star-fish

FIG. 3.—STAR-FISH AT HOME.

sluggish star-fish to catch them napping. had come during the storm, and were hav-It has been suggested that the star-fish drops into the shell some liquid which paralyzes the oyster, but this no one knows. paralyzes the oyster, but this no one knows.

Star-fish have a liver and intestines. Their organs do not lie wholly in the central portion, but they extend into the five



Fig. 2.-Interior of Ray.

hollow arms. They also have nerves, which surround the mouth and pass down each arm, where they end in a red eye speck. This, you see, gives the star-fish five eyes. You would think that with such a number of eyes that they could see every-thing that is going on. But these eyes are not perfect like yours, and it is very probable that they can see but little. Star-fish are said to be careful of their eggs, carrying them with the suckers near the

next two days. Still, notwithstanding his efforts to save his oysters, this unfortunate fisherman lost 300 bushels within one week.

The oysterman has learned the value of these destructive pests for manure, and those dredged from oysuer saved for fertilizing purposes. We might also attribute to the star-fish a certain usefulness as scavengers of the ocean, since those dredged from oyster beds are now saved for fertilizing purposes. We might as well as living, and do their full share toward keeping the waters pure. Some kinds of star-fish have long feathery

irms, and are much more beautiful than our common ones which we have been studying.—Harper's Young People.

## STRANGER THAN FICTION.

A German who had passed many years

able, hospitable dispositions. They never wrangle or fight among each other. Gossip is unknown.

sip is unknown.

They are faithful husbands and fond fathers. They form singularly strong friendships together. These ties, formed in boyhood, continue through life. A man will sacrifice his property, his labor, even

his life, for his friend.

In another place, he asserts that they have so profound a reverence for the Creator that they never untertake the least enterprise without asking his aid. They have, also, a deep respect for their own integrity, and never in their history have been known to break a treaty made with a weaker people.

Mothers teach their daughters the duties which will make them good wives and household managers. The politicians household managers. The politicians among them work against each other without wrangling, abuse of character, or open insults. insults.

The most prominent trait of this people is, according to this writer, their respect for the aged. Children are taught from their birth not only that the old must be treated with reverence and affection, but that they must share in all amusements. Their conversation is sought for, their advice is asked; they are never contradicted.

He mentions one case, in which some of these Americans were lost in a forest under the guidance of an old man. After wan-dering all day it was discovered that a lad dering all day it was discovered that a lad in the party knew a path out of the wilder-ness, but had kept silent, following the others deeper into the swamps, because "interference on his part would have been disrespectful to the aged guide." Our credulity says the Youths' Companion refuses to credit this story of any modern boy in the Huited States.

boy, in the United States.

It is true, however, for the book was written by a careful, impartial observer, John Heckewelder, a hundred years ago; but it was not of white Americans that he was to but of the Delaware Indiana. wrote, but of the Delaware Indians.

How many of these traits of character belonging to the "savages" whom we have exterminated can we boast of to-day?

## ON PIKE'S PEAK.

The officer in charge of the United States Signal Service Station on the top of Pike's Peak passes his days in a low, flat building made of stone, and anchored and belted to the granite boulders. During the winter he has no connection whatever with the rest of the world. No human being can ascend to his station, and it is almost imascend to his station, and it is almost impossible for him to go down. Lee Mcriwether, who ascended the snow-covered mountain one July day, says that the signal officer's face wears that care-worn, depressed expression which comes from un-

broken solitude.
"You don't often see snow in July?"
he said, after I had thawed out before a blazing fire.
"Not often. You don't yourself, do

you?"
"Yes, two or three times a week. Snow That boiler "Yes, two or three times a week. Snow is my only water supply. That boiler there," pointing to the stove, "is full of melting snow. Even in the heat of sum mer there is always enough snow at my door to furnish all the water needed."

"Does not life become weary and desolate here, so far from the world?"

"So much so that I sometimes fear it will drive me cross. My official duties are

"So much so that I sometimes fear it will drive me crazy. My official duties are light; they require only an occasional inspection of the instruments. The rest of the time I have nothing to do but read. Too much reading becomes wearisome. Sometimes I stand at the window with my telescope. The wind without is keen and cutting as a knife.

telescope. The wind without is keen and cutting as a knife.

"I-can see the houses of Colorado Springs," he continued, "twenty miles away; see the visitors sitting in their shirt sleeves, sipping iced drinks to keep cool, and the ladies walking in white summer robes. Then I lower the glass; the summer seems is gone. Green trees and animal seems is gone. Green trees and animal seems is gone. mer scene is gone. Green trees and animal life, men and women, fade away like creatures in a dream, and I am the only living thing in a world of eternal ice and snow and silence."