HOUSE-CARRIERS UNDER WATER.
by william mamilion gibson.

## (Author of "Pastoral Days," "Happs. Hunting-

There is a house-builder that fow of us ever see in its home-the caddis. He livos on tho pebbly bottom of the stream or the dwellings of the stone-buid all are the

mosaic tubes of carefully selected pebbles, all joined edge to edge, and nently closed at the rear opening by a carefully fitted pebble of langer size. And one there is, the glassy abode of the smalier caddis, perfect marvel of
mosaicart. A small, mosaic art. A small,
slightly curved tabe about three quarters of an inch in length, shown directly above the stick case in the illustration, the crystal palace of the most exquisite and gifted nitist gilled artist imong nity $T$ a tube is nity. the tube is
composed of minute glassy flat pebbles, joined edge to edge with the most skilful exactness, and is often so transparent
shallows of the pond. Even as we stood that when wet the form of the dweller may upon the black ice at the edge of the dam grathering oul bag-worms, we need only
have lain down upon tho ice and looked beneath to have seen our caddis crawling upon the bottom, leisurely lugging its stone cottage or $\log$ cabin around with it. But who would ever think of going "bug-hunting" in winter? This strean, locked fast and muffled in ice, or bubbling beneath the snow-drift, its overlianging icy border fringe crowding close upon the ripples in the intense cold, would hardly invite the naturalist as a likely field for specimens. The city maturalist who happens to keep an aquarium knows with what difficulty ho cim keep it stocked in the winter montlis if he would depend alone upon the dealers in aquarium supplies. A few lizards, polliwogs, and gold-fish are alnost their only stock in trade at this season, with perlaps a. fine show of green moss in bunches, picked in the woods, which "Ionks pretty" umder water. "But I wint some plants,
smils, water-beetles, and craw-fish" I said smils, water-beetles, and craw-fish" I said to such in dealer recently. "Oh, you can't get anything of that kind now, you know," he replied. "They're all dead or froze up. We'll have plenty of 'cm in the spring.'
Nevertheless the film of ice over the pond or stremm need be mo birrier to the winter naturalist. The mud at the borders of the bank holds a lively harvest, and dues not soem to con then rock in my aquarium that soon does not seem to care a snip for the left nothing but empty shells to show for


## cadmis houses.

seasons. One good scoop with a stong net will sometimes bring up a veritible summer haul of specimens-fish, frogs, waterbeetles, lizards, water-boatmen, dangon larve, and occasionially a dainty case of the caddis, resembling one of the group which I have hore picked from yonder pool and laid upon the snow. I havo a number of these cases before me as I write, and they are really beautiful works of insect art. As a rule, each species of caddis is trte to some particular whim in building or in the choice of materinls for its clomicile. Here are two that seem to hawe taken $n$ lint from the bag-worms and think there is nothing to compare with sticks and leaves. They are about an inch and in half
long. Another.. carefully selects tubular
nny caddis and my snails. His plan of operation was to steal up from behind as self in tho grasp the water, and with in sudden das vigorous shako and determined grip, the shell was roleased, and the victorious fish retired to its corner among the pondweed to think which of the two yonder-suail or caddis-it would rather have for supper. I havo said that few of us ever sce the caddis in its home. And yet he is an old acquaintance with most of us. There are few summer evenings when he does not mako himself perfectly at home around our "evening lamp" in the country, thiat brown circling moth-like insect, with steep-sloping wings, and such a powerfully strong
oclor, being in truth the perfected product of these tube-cases beneath the water. A collection of caddis cases makes a very interesting exhibit. I have shown a group of the cases of six foreign species, but it is possible that any one of them nay yet is possible that any one of them may yet
reward our senrch in our mative pools. I reward our search in our native pools. I
have found three specimens that closely resemble some of them.

## MY STORY.

## by a pistol.

When I was about twelve years old, I decided that I was old enough to own and carry a pistol. Other boys not as tall as I was could boast the ownership of a pistol ; so one evening, as father was drawing on his gloves, I astonisherl him by asking permission to buy a pistol.
"A pistol! Whom do you want to shoot?"
"No one, sir
shoot properly."
What do you cill son?
"Hit what you aim at, of course."
"Indeed, some people hit things they do not aim at.
"Certainly; but I should try to avoid blunders."
"My son, I don't think you have any real need of a pistol."
"But, father, suppose I should meet it mad dog, or a-a gorilla?"
Fither smiled. "John," said he, "I am a great deal older than you, and I have never met either a mad dog or a gorilh whenever I do I will get you a pistol, not before."

Where there is a will there is a way. My will wis good enough, if I could only contrive tho way, so I kept plamming ove and over how to set the coveted treasure After I went to bed, I lay awake thinking of nothing but a pistol. I lad been in bed about thirty minutes when there came a rap at my door ; supposing it was my mother, I sad, "Come in." What was

foreign caddis cases.
my astonishment to see a pistol walk in. I rubbed my eyes to assure myself that I was not asleep; then I sat up in bed.
"How do you do ?" said the pistol, walking up and seating himself on my bed. I stammerod out something about not expecting company.
"Of course, it is an unusual hour for callers, but, knowing how mucla you winted "pistol, I felt it my duty to come imme. "intely."
filtered.
Ha! ha! one that won't firo with gorilla within two feet of you."
"I-I mean, sir, one that can't walk off and leavo me, you know."
"Well," said tho pistol, "I did not suppose you would want me, no one does when he hears my story. It is a very sad one, ind I never tell it to any one but boys."
And without further delay he began "When I was quite young, a very foolish father bought me for his son Jolin. He was about your age and sizo. IIe was
withe very kind to me, handled mo tenderly lept me well polished, fed me well, took me with him almost everywhere he went,
except to school. This tho principal positively forbade; but as my education was born with me, all completed, I didnot was born with me, al completed, I did not
caro about going to school. I was allowed caro about going to school. I was allowed
to go to all the horse-races, to go to all the horse-races, fairs, circuses, etc. I even went to church once when the twins were christened, and when Miss Bess was married I occupied aplace on the mantel where I could see the wedding ceremony. Ah! those were happy days."
Fiere the pistol stopped as if unable to continue.
"Will you please finish your story, Mr . Pistol," I ventured to remark.
"Ah! yes; I was thinking of the last time I nccompanied my young master. It was the nicht of the Fourth of July. We went out to lave a good time. All tho boys were out sending up sky-rockets, etc., etc. In the midst of the fun, two of the boys got into a quarel about some fire-crackers. My master was called up for $a$ witness. Ono of the bovs clisputed his word; this brought on another quarrel. My master called the boy a liar, whereupon the boy struck my master : thenOh, the horror of that moment !-my master drew me out of his pocket, and boforo I could utter a remonstrance, fired! There was one piercing shriel. Tho boy fell dead at my master's feet. Then the horrible ery of murdel mang out. My master dropped mo and fled for his life. I tried to conceal myself under the sidewalls, but I was found and brought into court is in witness against myloved young master. I was forced to spoak the truth, and after a long trial the jury brought in a verdict of 'couilty.' Oh, it makes mo heart-sick whenever I think of it! How white my young master was, and when the verdict was rendered he fainted. Then the father cried out: Oh, it was all my fault! If I bad not bought that miscrable pistol! Oh, my poor boy!' 'Then everybody began to cry. That was the last time I ever saw my beloved master. Since then I havo had several owners. The next one shot himself in the leg by his careless handling of me. The next one fired me off accidentally in the house, and scared the baby into fits. My next owner, in trying to lill a clicken for dinner, shotihis neighbor's pet dog, and hadd to pay ten dollars to keep it out of a law-suit. The next min who got possession of mo camo near killing his wife, supposing her to be a burglar. Just now I don't belong to anybody; my last owner lost me after paying eight dollars for mo. I hope paying eight doliars for mo. I hope
no one will ever find me. I was born no one willover find me. I was born In was evar of any real use to anybody. On the contrary, I have been the indirect cause of a great deal of trouble. I have caused the denth of one person, imprisoned one, wounded a third, threw the baby into fits, killed a pet dog, made enemies of friends, narrowly escaped lilling a man's


