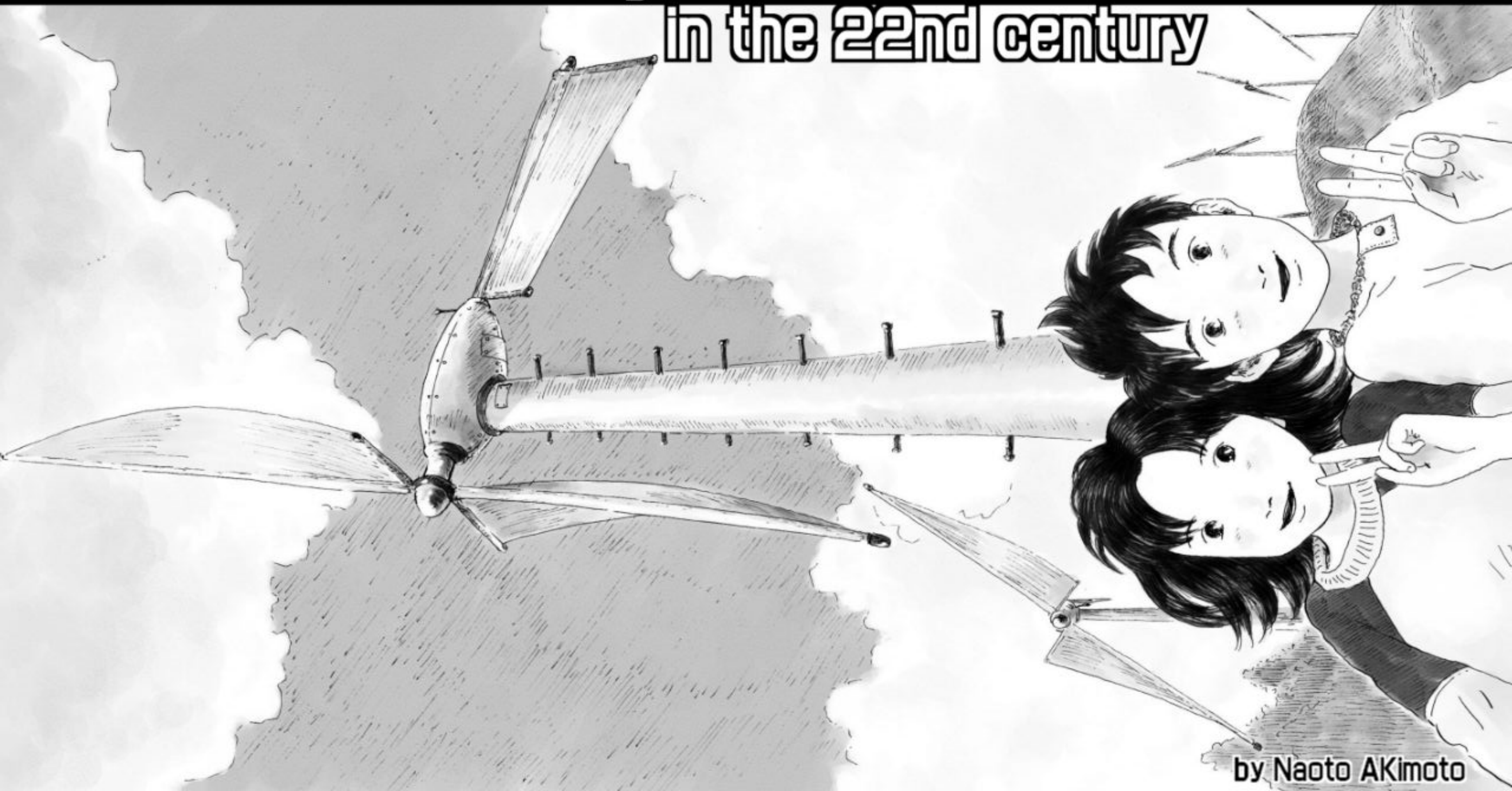
Eco-friendly Life in Kaka Island

in the 22nd century



by Naoto AKimoto

Welcome to the 22nd century.

Kaka Island
A small self-sufficient area is called "Island district".
The world has consisted of these independent
and cooperative small Island districts.

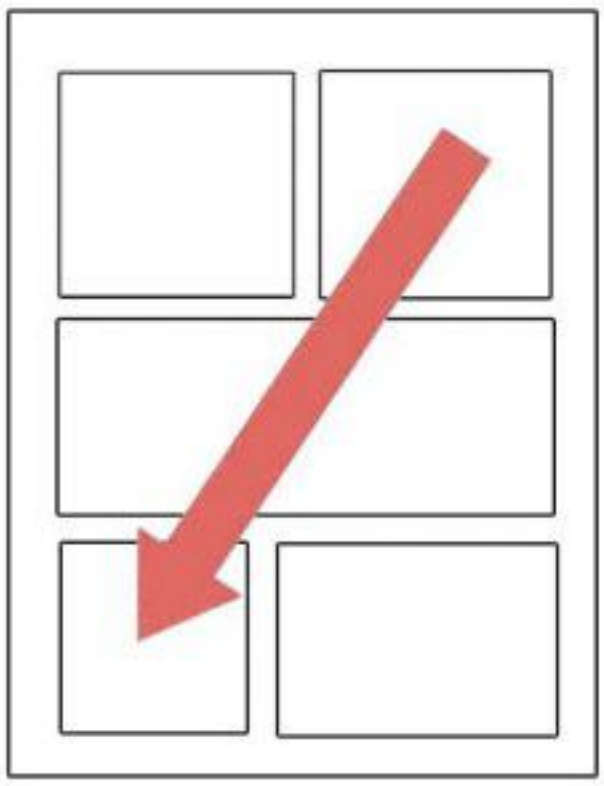
Let me show you the life in Kaka Island
which is located in the Far East.

Eco-friendly Life in Kaka Island in the 22nd century

"The town where stag beetles live" *
"Landmark of my heart" *
"Moonlit Desert" *
"A lifestyle in 2100"
"House Hunting"
"Clay"
"Biotope"
"Carrier"
"Cooking"
"Treat"

by Naoto AKimoto from 2002 to 2007 added in 2022
*: Cooprated by Yumiko Shirai
Translated by Mayumi Kawabata

Please read from the upper right to the lower left.



"The town where stag beetles live"

Yay! My cucumbers, my cucumbers.

2

Look at this salad. Fu grew these cucumbers.

1

2

What happened to your face?

Toki! Eat it.

2

You look happy, Fu. Here. Take mine.

1

2

Taka took Toki's stag beetle. So they had a fight.

Nothing.

1

East Mouri city

Oh, that brings back memories.

Catching stag beetles makes me think of East Mouri city. It has a lot of oak trees.

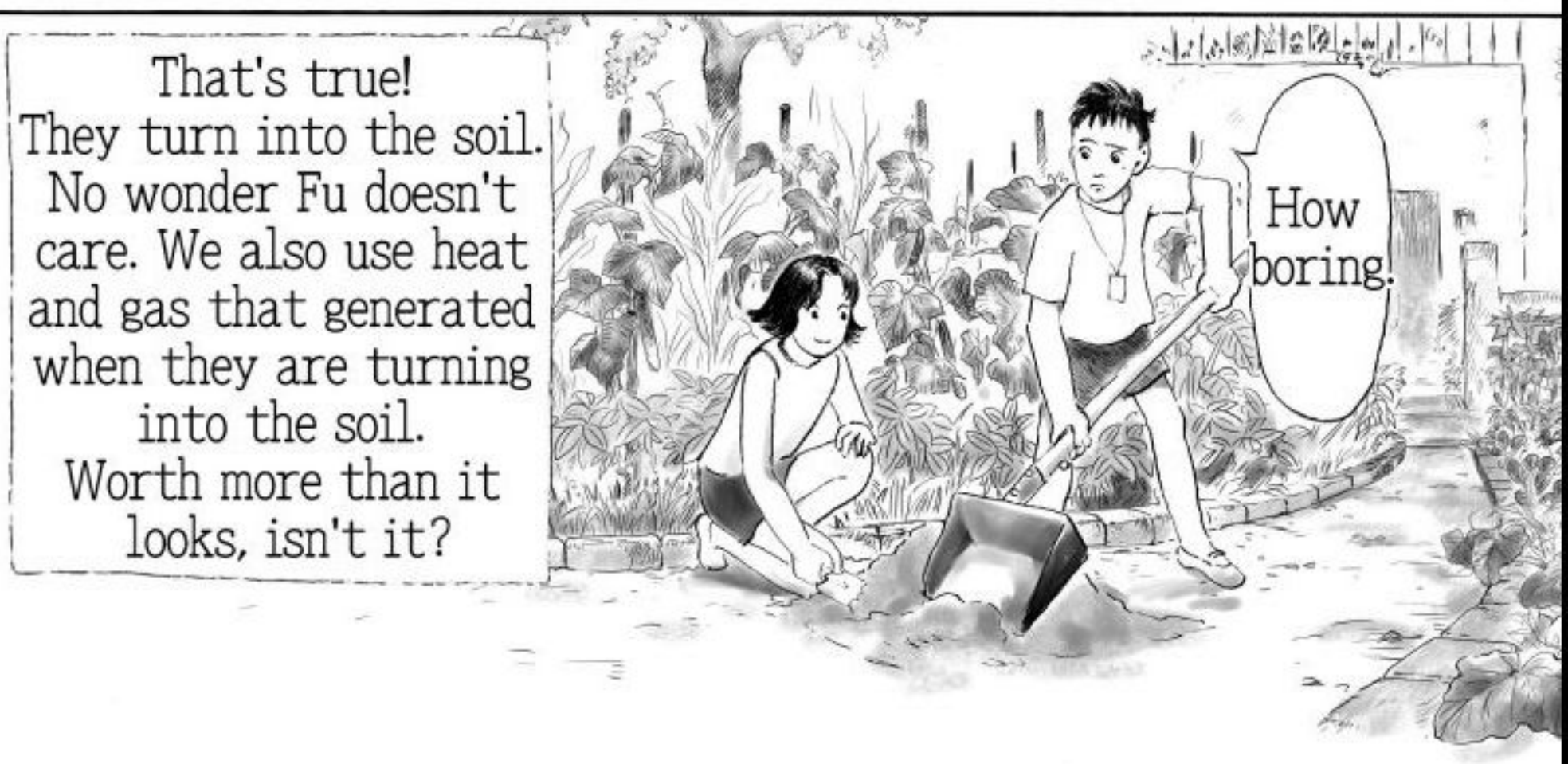
No more fight, OK?

That's because I found it first.

2

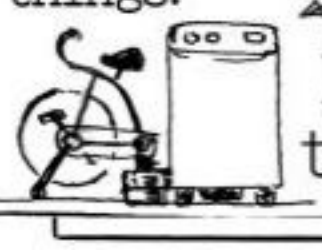
1

Friday is the day for self-support.
We take care of our own garden, the common garden and breeding farms.

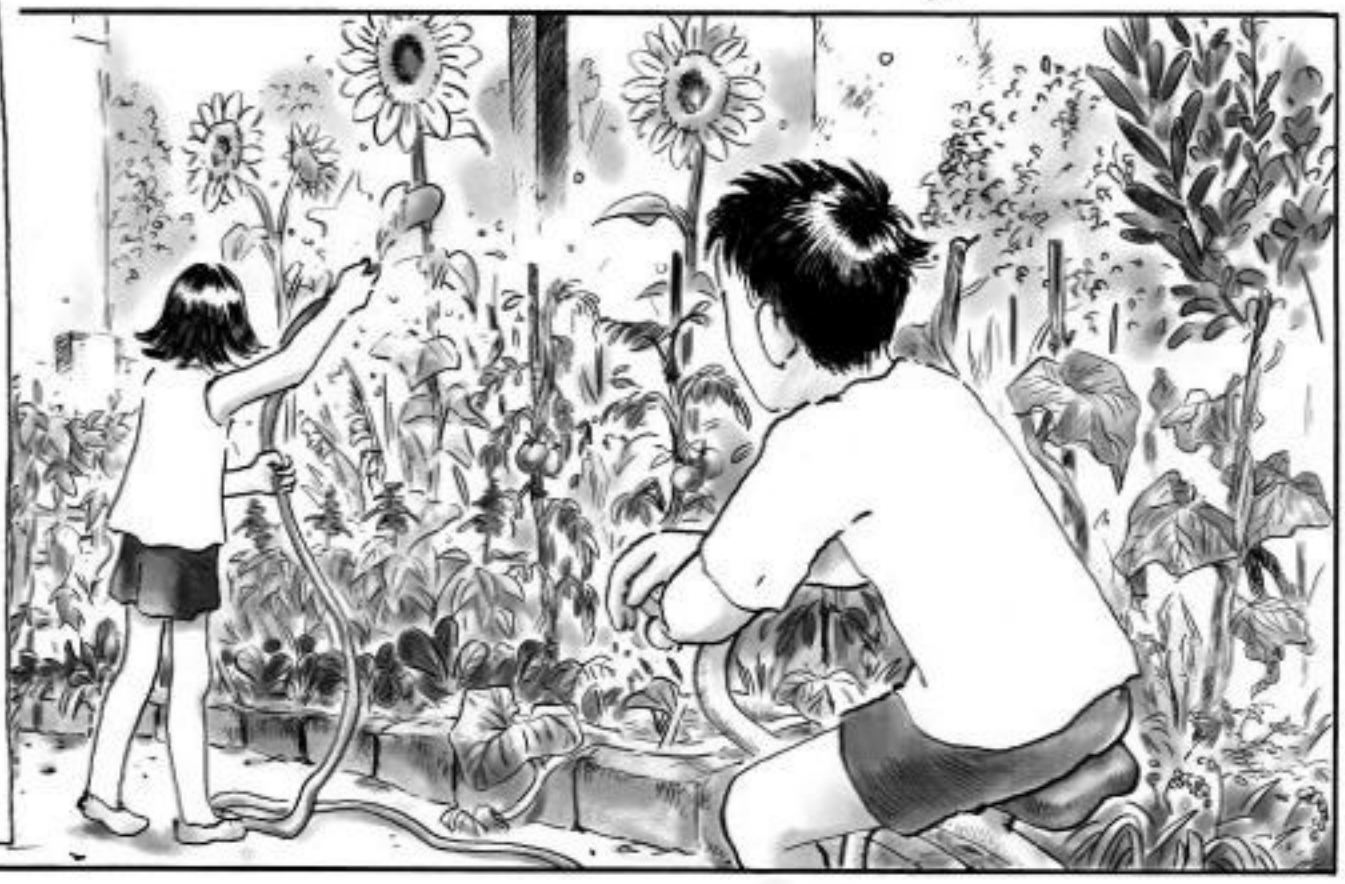


3 2 "Here we go — ! " 1

We store rainwater in a big underground tank. Some people water using motor pumps but we use a bicycle. Bicycle is very useful for laundry and other things.



I like this idea.



3 2 1

2

1

We leave the windows open in summer. It doesn't look like the window, does it? Then we install the insulated windows in winter. As the roof, walls and garden are all surrounded by greenery, the rooms are airy and cool even in midsummer. My mom always works from home and she is working overtime today. Mom, finish you work and help my dad, OK?

京奈電車 カザシマ駅

レンタル自転車

This is the train station and also the rental station for cars and bicycles. We can drop them off at any destinations and it makes us travel light.

Oh, that car?

It's easy to ride on rails. 1

How long will it take to get there? 2

Dad said 1 hour. 3

It's too long! 4

Shut up. 5

Bike rails are along the train tracks. So smooth to ride.

I'm getting tired. 1

Are you pedaling, Fu? 2

Yes, I am. 3

I'm getting hungry. 4

Huh? 5

I'm hungry. 6

Stop complaining! 7

3 2 1

2

I don't eat what you stole.

1

No.

Here. Have some oranges.

Someone who steel something is called a thief.

2

I didn't steel them. You saw a lot of oranges were on the ground, right? I just took some of them.

1

3

Yum !

2

Have a nice day.

I'm starving !

1

We raise and grow many things in various places and raise self-sufficiency rate. We have food around us and that makes us feel safe.

2

Here we go.

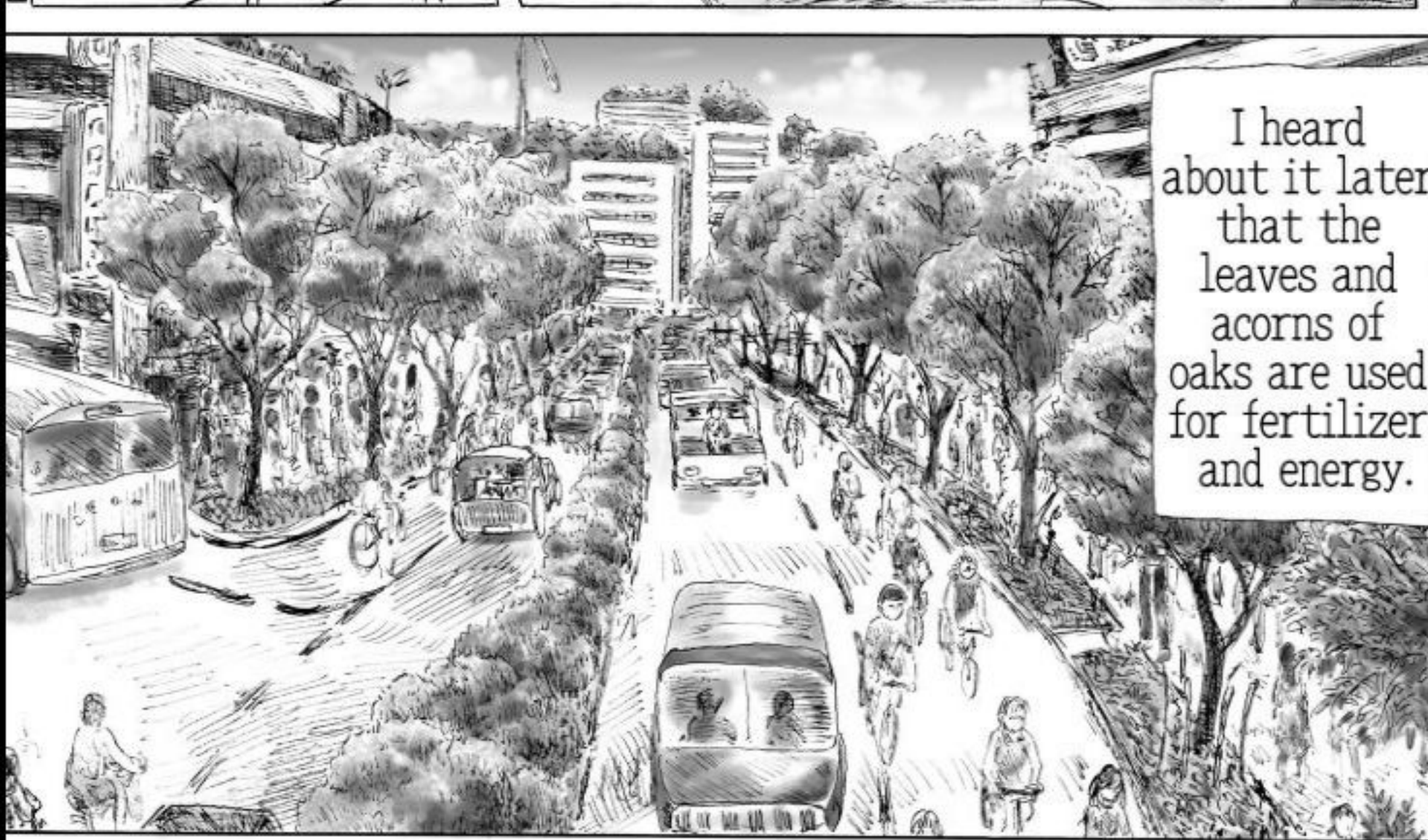
There are communal orchards, fields and free-range farms of chicken and pigs.

1

A stag beetle!
Where?

Here we are.

Oh, yeah.
"Welcome to the town of stag beetle"
ようこそクワガタの街
東モーリ市
EASTMOURI CITY


I heard about it later that the leaves and acorns of oaks are used for fertilizer and energy.

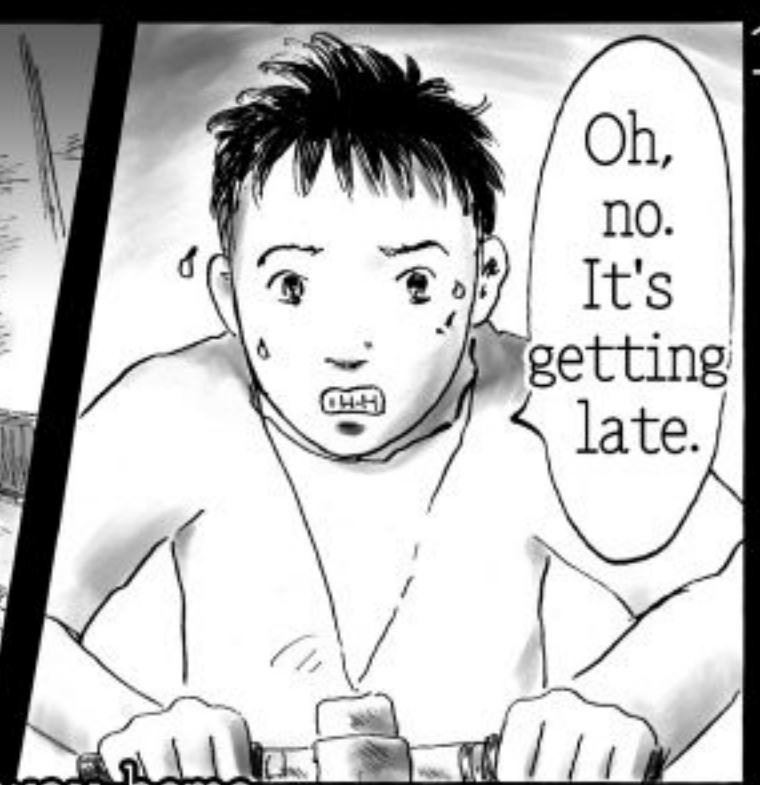
Mountain!

There sure are a lot of oak trees.... but I wonder if there are any stag beetles in the middle of town.

STOP
They must be in there.
It's not a mountain. It's a building !
STORE
PARK

2

1



We rented a different kind of bike on our way home.

2

1

Hey,
1

did you get any stag beetles ?
2

Look, daddy.
1

CLICK
Here, these are cookies from mom.
2

Let me see...
3

That's great! We need to make a house for them tomorrow.
1

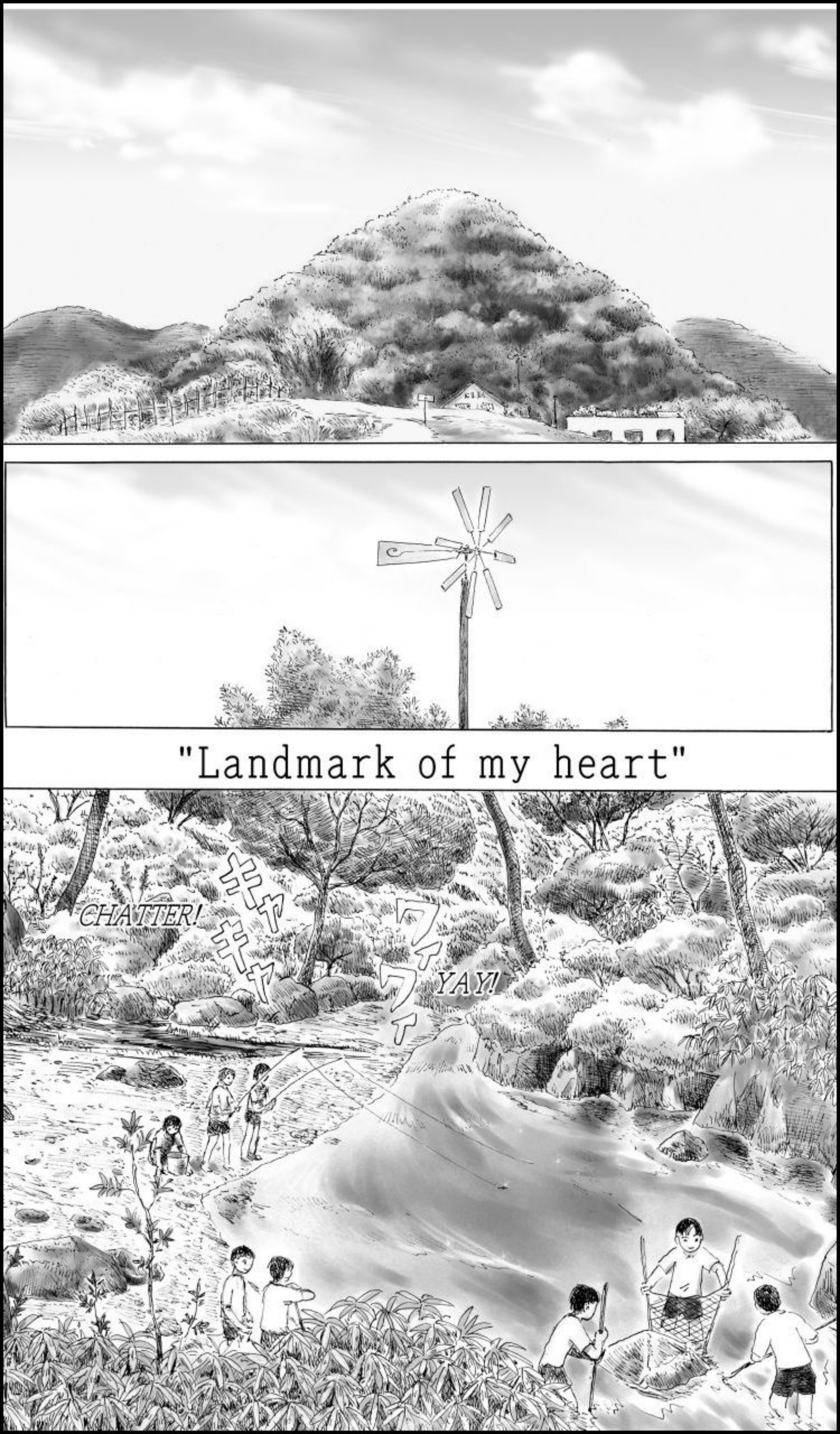
Yes!
2

Beautiful night sky, isn't it? I heard that we couldn't see the Milky way in the cities in 21st century, but we can see it clearly now.

*Kids navigator

This navigator tells you where she/he is to your computer.

The End


"Landmark of my heart"
CHATTER!
キャキャッ
ワイワイ
YAY!

Have you got anything for lunch?
1
Sure. These should be enough, right?
2
We've got a lot, too.
Wow, looks fantastic.
We study outdoors twice a month in Satoyama(a woodland near the village). The animals and plants there are managed well, so we can get many good ingredients. Cool, isn't it?

Are you quitting school, Ms. Tsutumi? ?
1
No, I'm just going overseas to help excavation and research of the ruins as a volunteer for a month.
2
Which country are you going?
You are leaving anyway.
1
When are you going?
2
Next Sunday afternoon by airship.
3

3
2
1
Oh, my bad. Sorry.
Because it's interesting.
2
Why did you need to ask a foreigner to make this?
1
My dad is one of the founding members of this park. It's common that local people take a role in regional design.
Besides, don't you think it's a big scale project that many people from all over the world were involved in making this park?
2
It is, but....
1

I still remember the townscape, the shapes of the mountains and everyone's smiling faces.

I've joined an overseas activity to expand the field in a desert for a year.

2

Fun....

Once I go abroad, I feel like the world is my garden. It's so much fun.

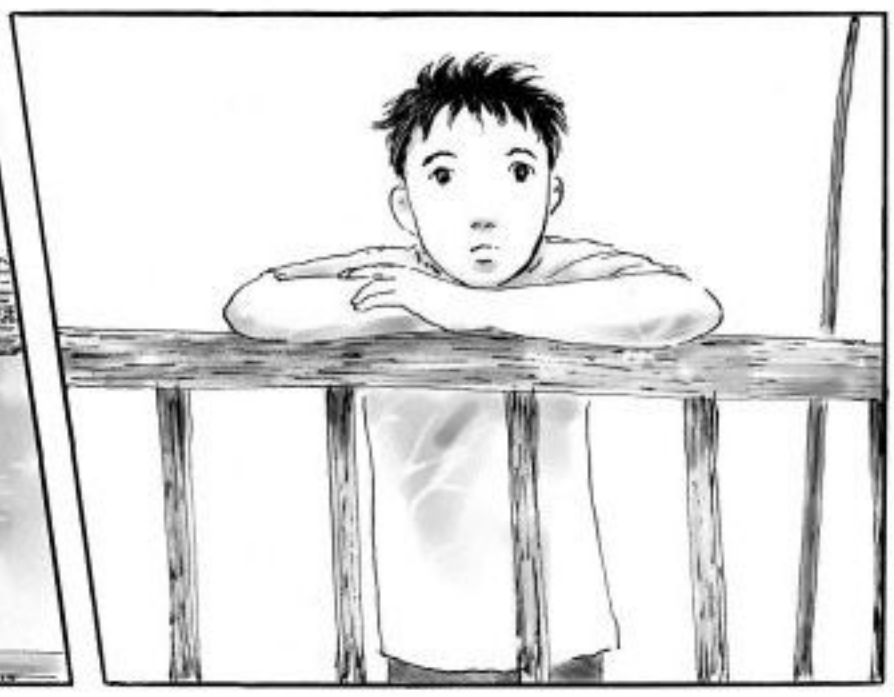
1

Actually I see a lot of nameplates of foreigners while walking in the town carefully.

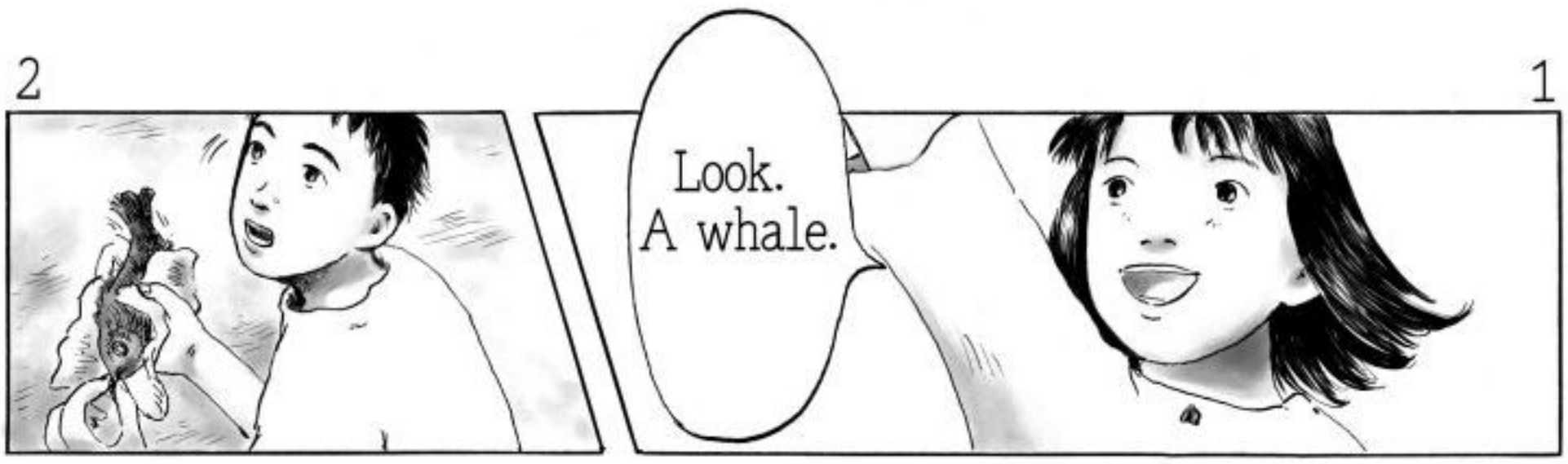
We have many fishing piers. Fishing is popular as one of the means of self-sufficiency. Beautiful sea, isn't it? I heard it used to be green and murky.

2

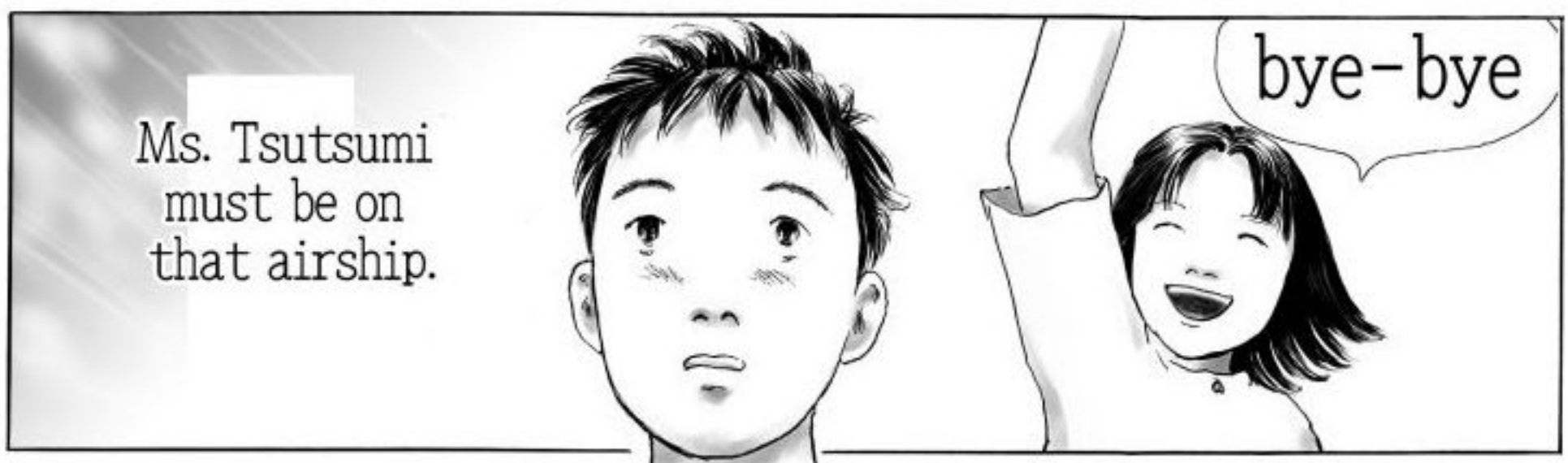
1



3 2 1



That is an airship. We usually go abroad by airship. It's slower than a jet but quiet and convenient because it's airports are small and they are on the buildings in the cities. On the top of that, it uses less fuel. Although it takes long to move, you can use the time effectively in a spacious airship.



"Ruins & Surveys Around the World"

One month later-

We heard you like chicken.

2

1

We asked a man in Satoyama to give us this.

For your welcome-back party!

Oh, how sweet of you.

Tell us about abroad.

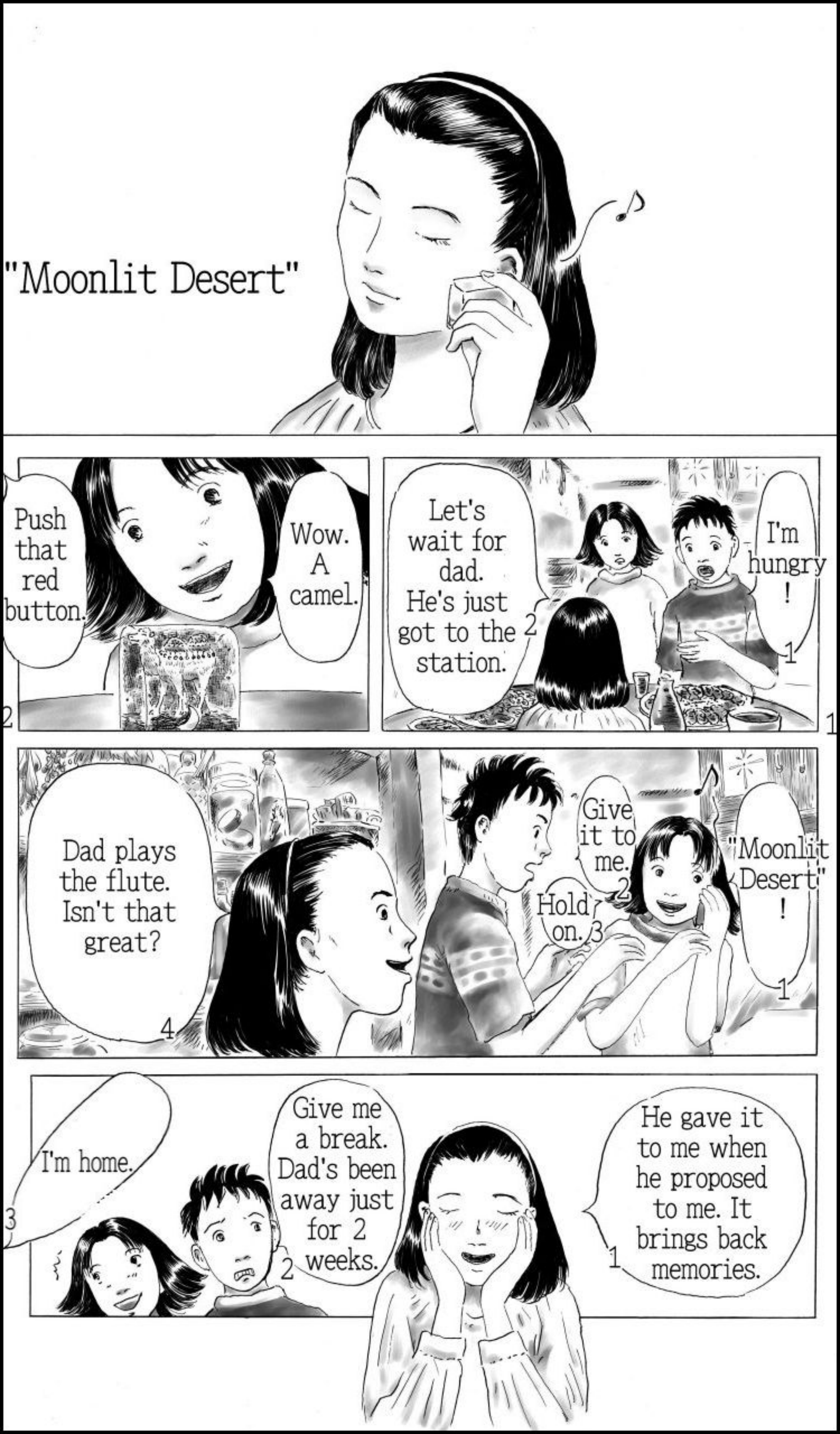
Well, --

Although more people have chosen not to eat meat or fish, we are taught how to dress them when we are little.

One day I will go abroad.

The End

"Moonlit Desert"



2

Oh, the camel.

Wow, looks like a great dinner tonight.

1

This is for you.

Thanks.

Hi, honey.

Hey, how have you been?

A camel!

Speaking of which, I've also kept it with me.

Ahhhhh!

2 Let me hear it.

Wait a sec. 3

Oh, this is "Moonlit Desert" with vocals. 1

♪

No. 4

It's my turn. 3

How embarrassing! Give it back. 2

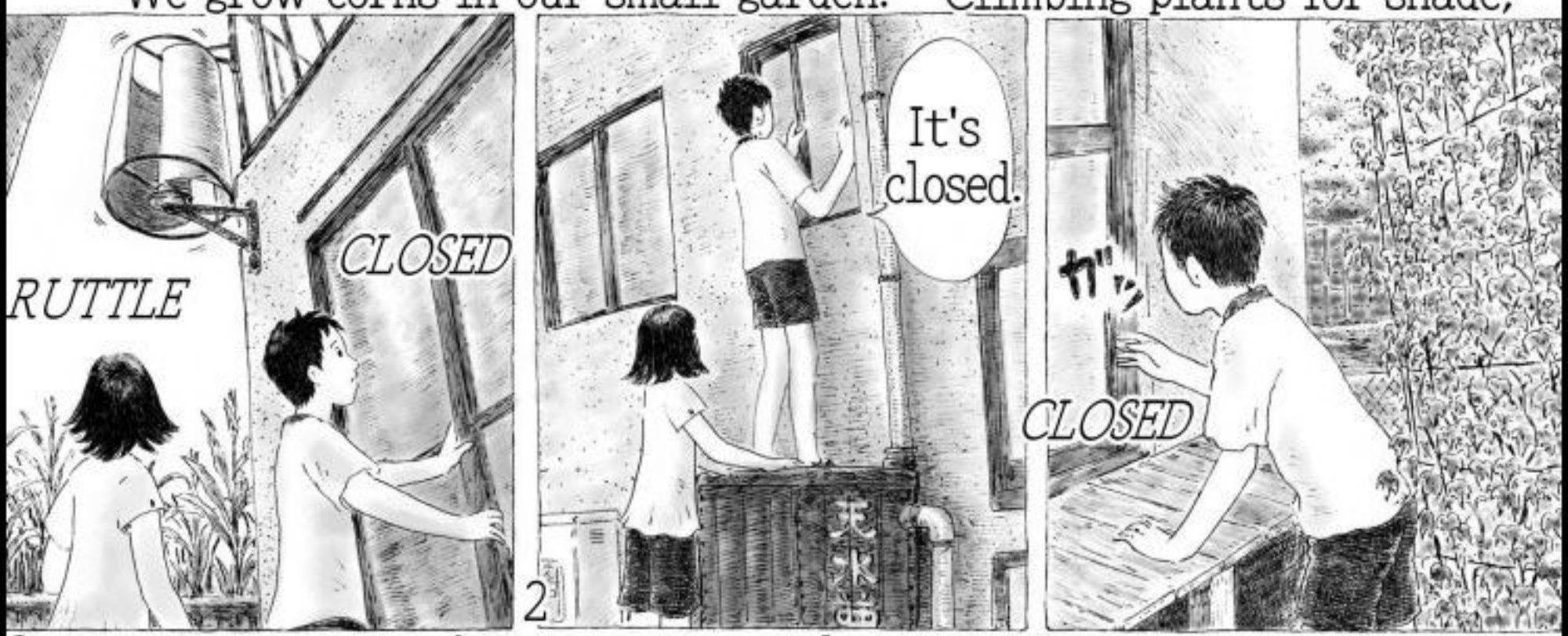
That is mom's singing before we got married 1

The End

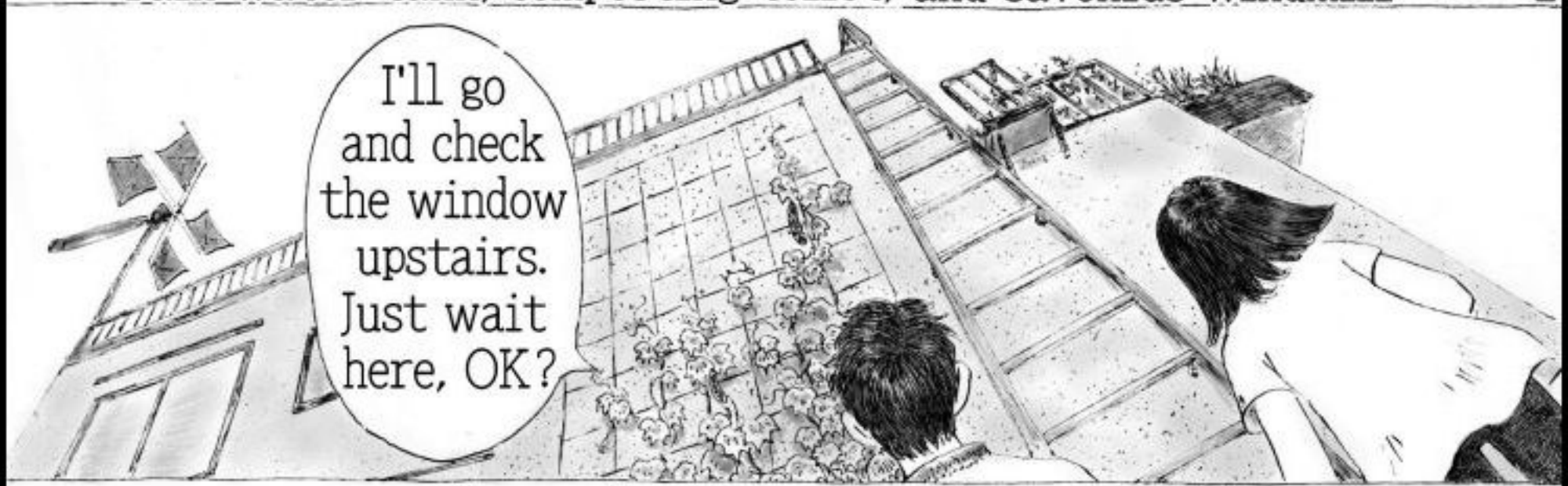
"A lifestyle in 2100"

These bicycles are made of locally grown bamboos.

We grow corns in our small garden. Climbing plants for shade,



rain water tank, composting toilet, and savonius windmill

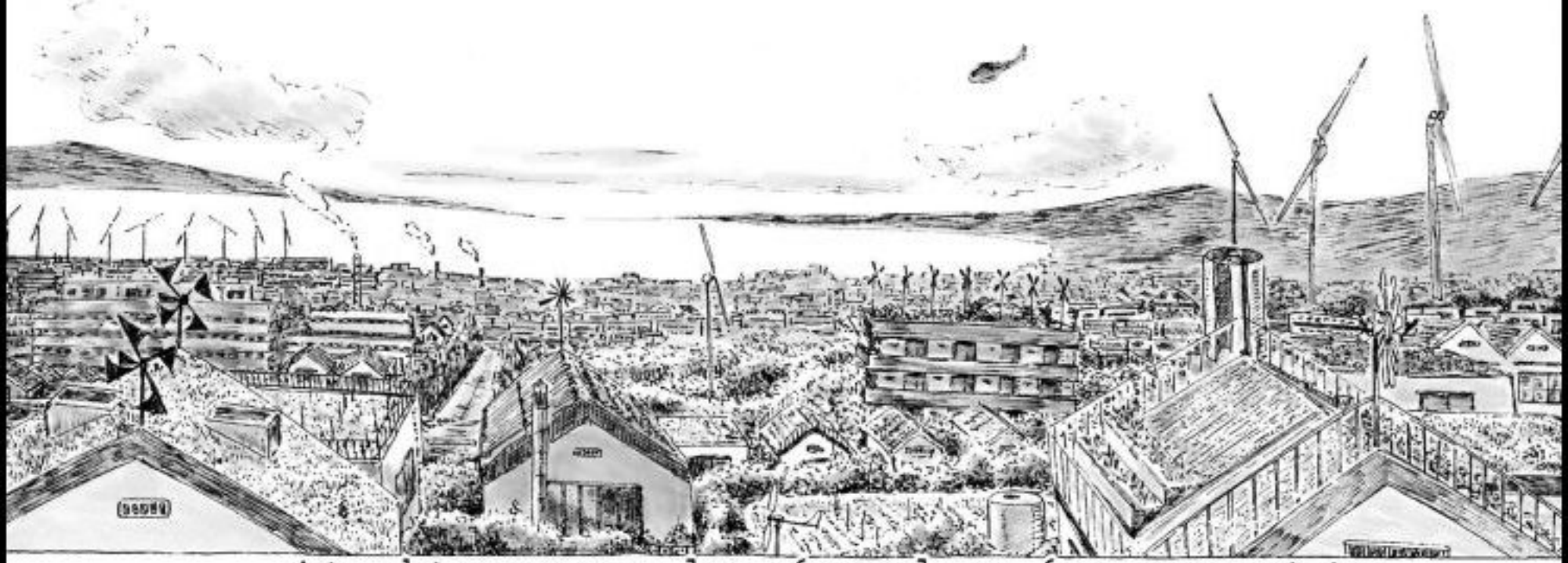


Walls can be vegetable cultivation shelves.

There are vegetable garden, solar water heater

and solar power generator on the roof.

When we are hungry, we get some tomatoes in the balcony.



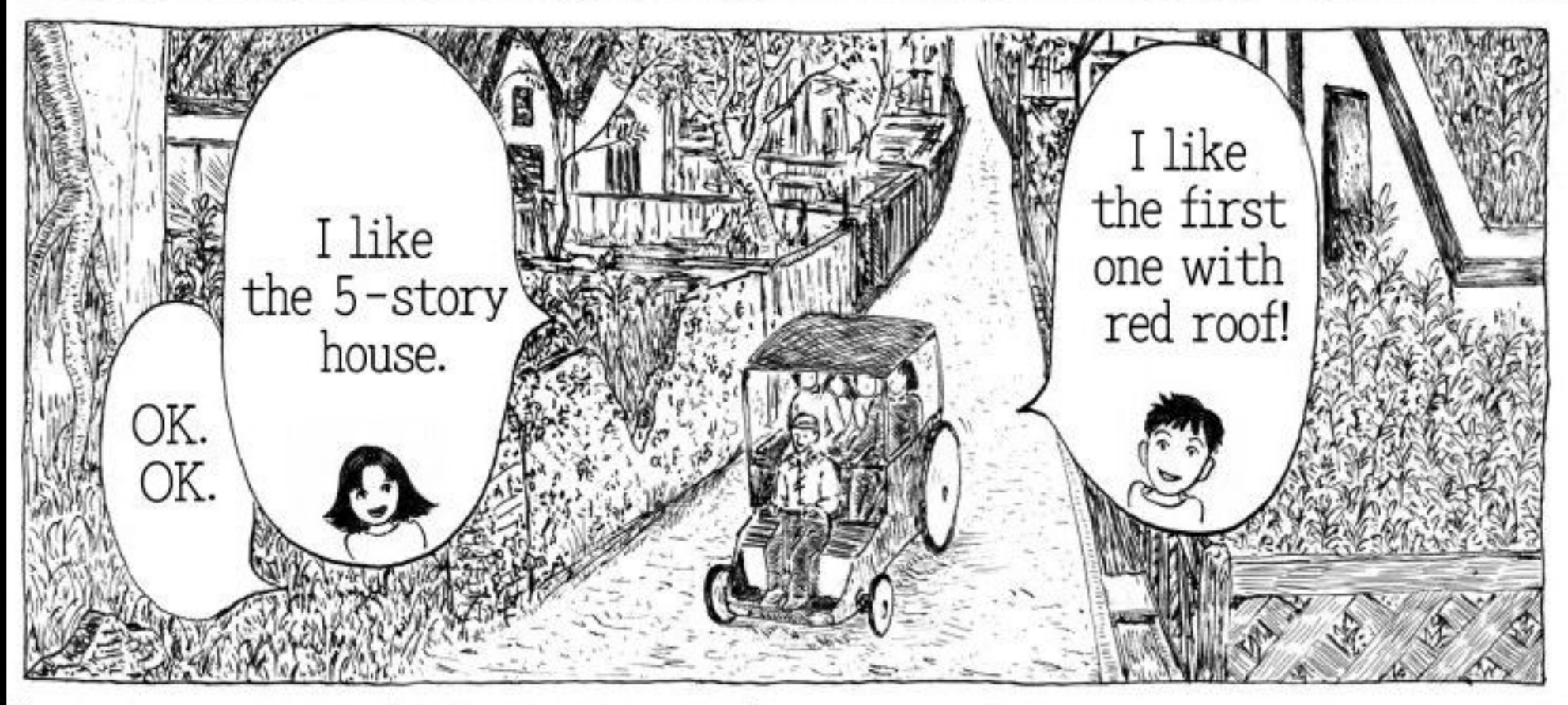
Air ships carry a lot of people to far-away cities.

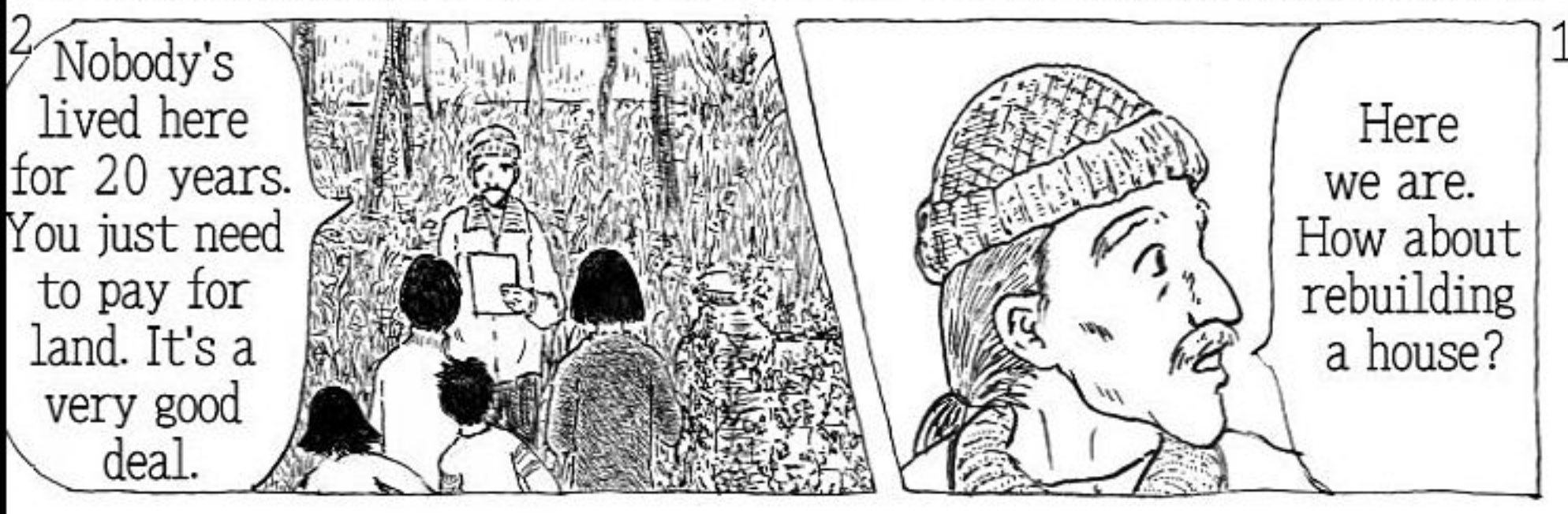
3 We only use bicycles for shopping even if we buy a lot. The End. 1

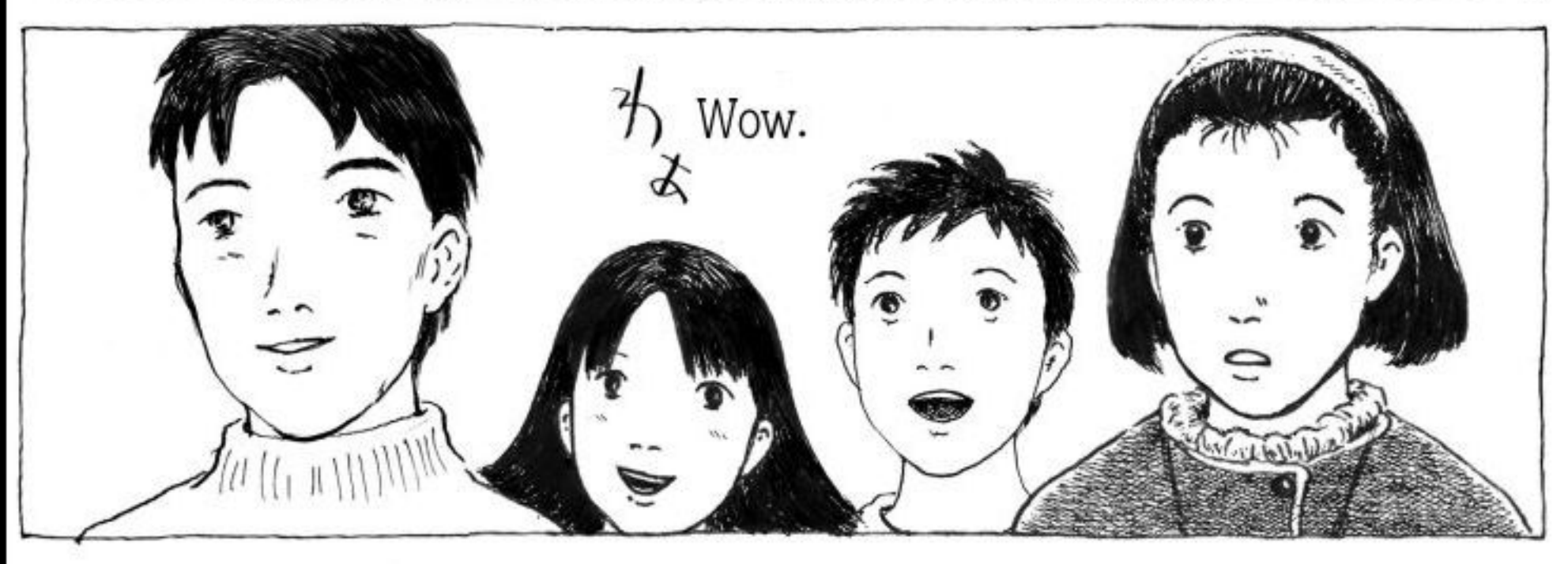
We've brought lunch for our grandparents who are working in the rooftop garden of the apartment.

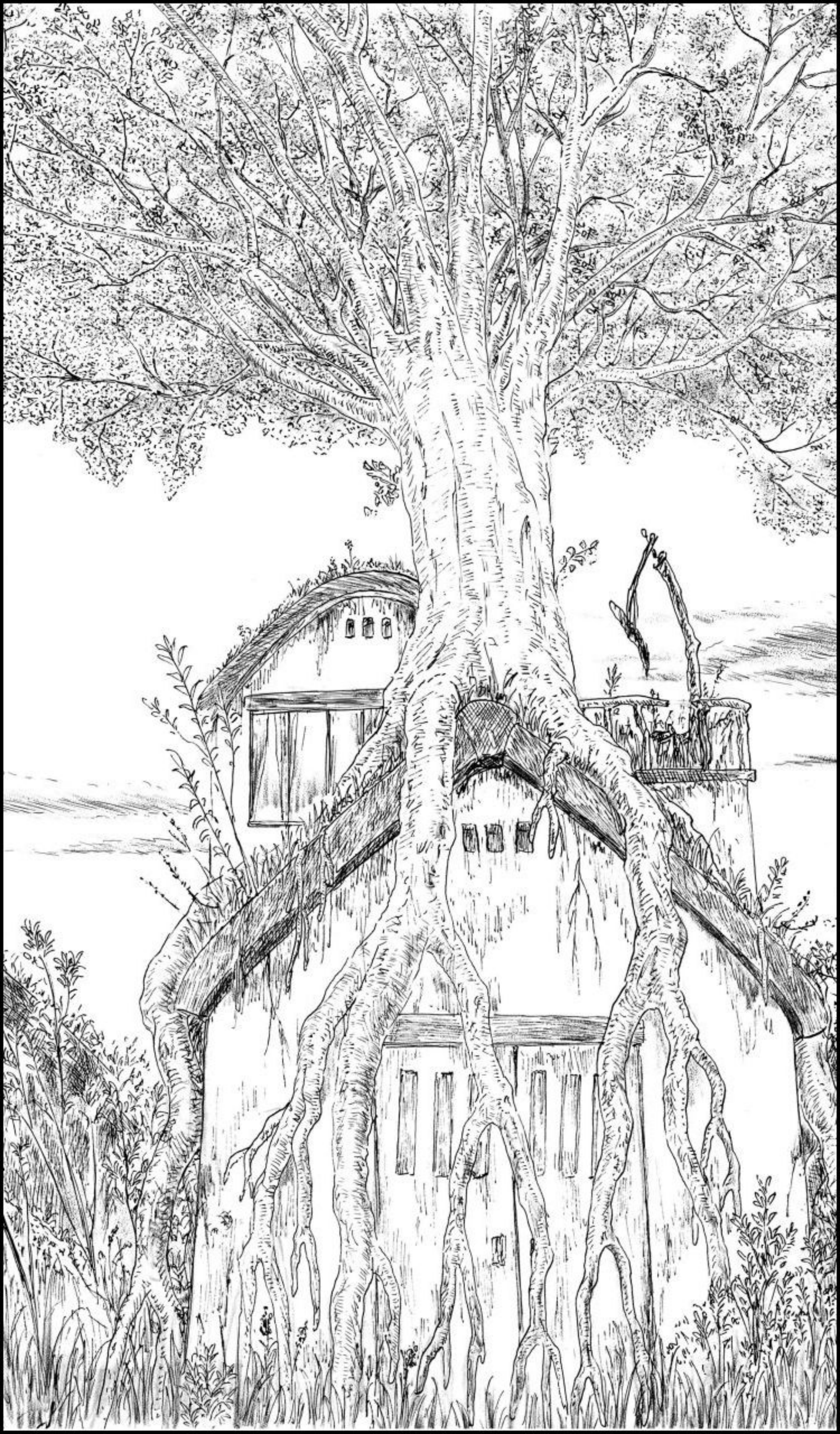
Homemade jam and bread hot from the oven.

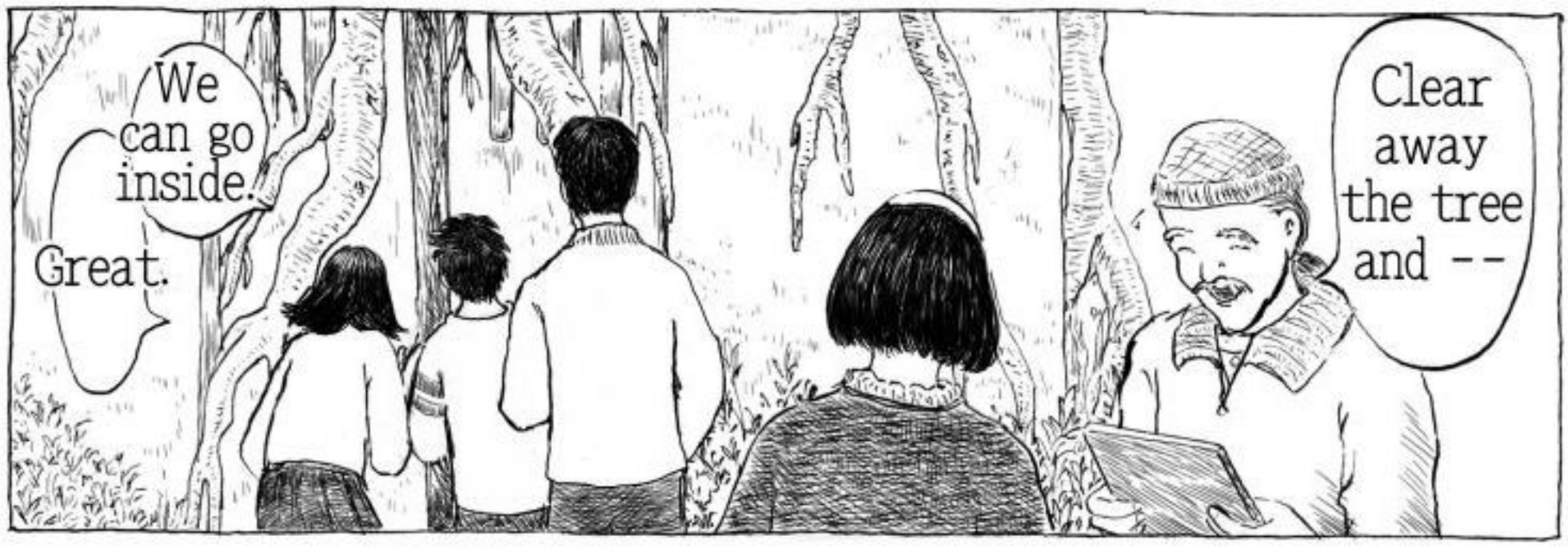
"House Hunting"

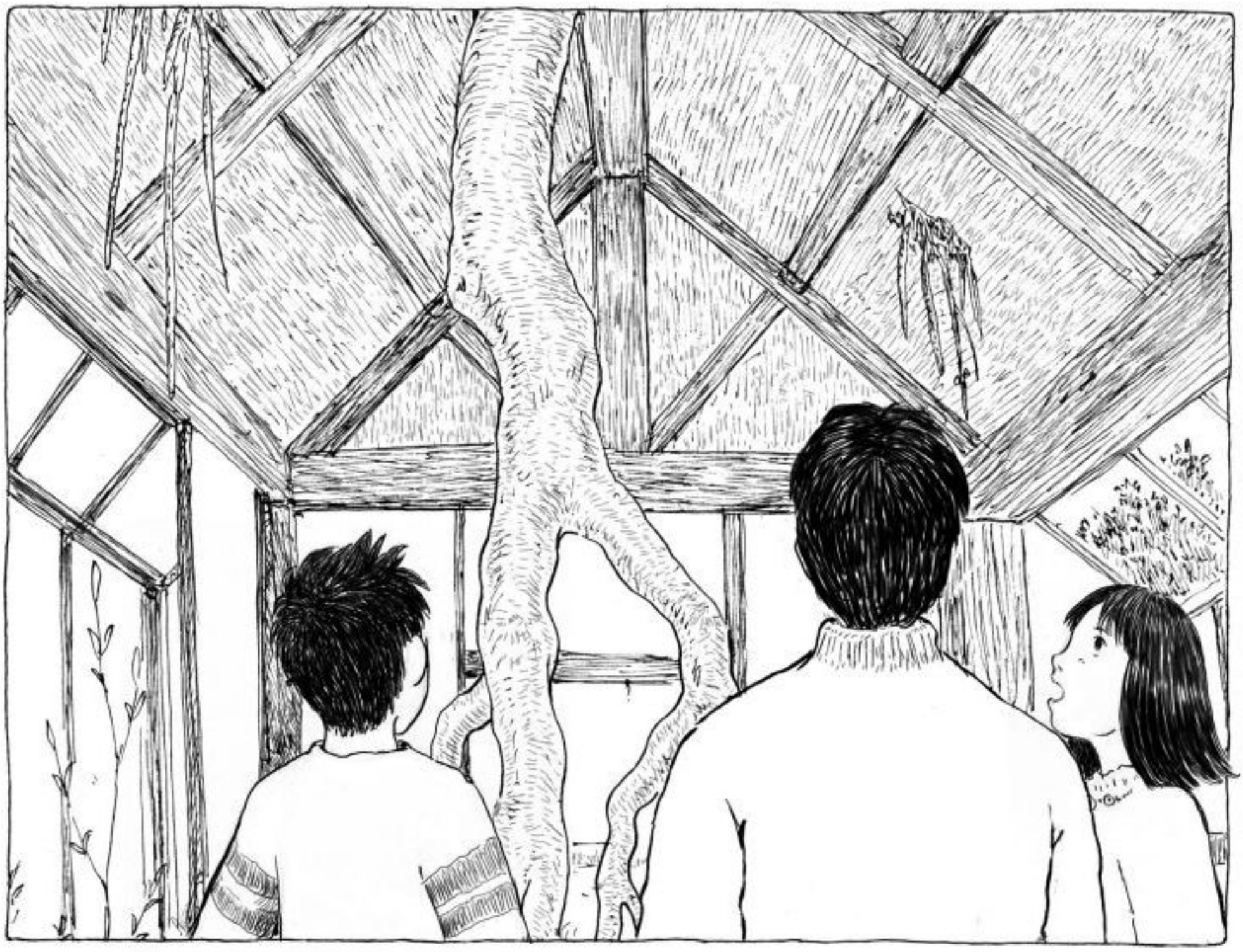









We can go inside.
Great.
Clear away the tree and --



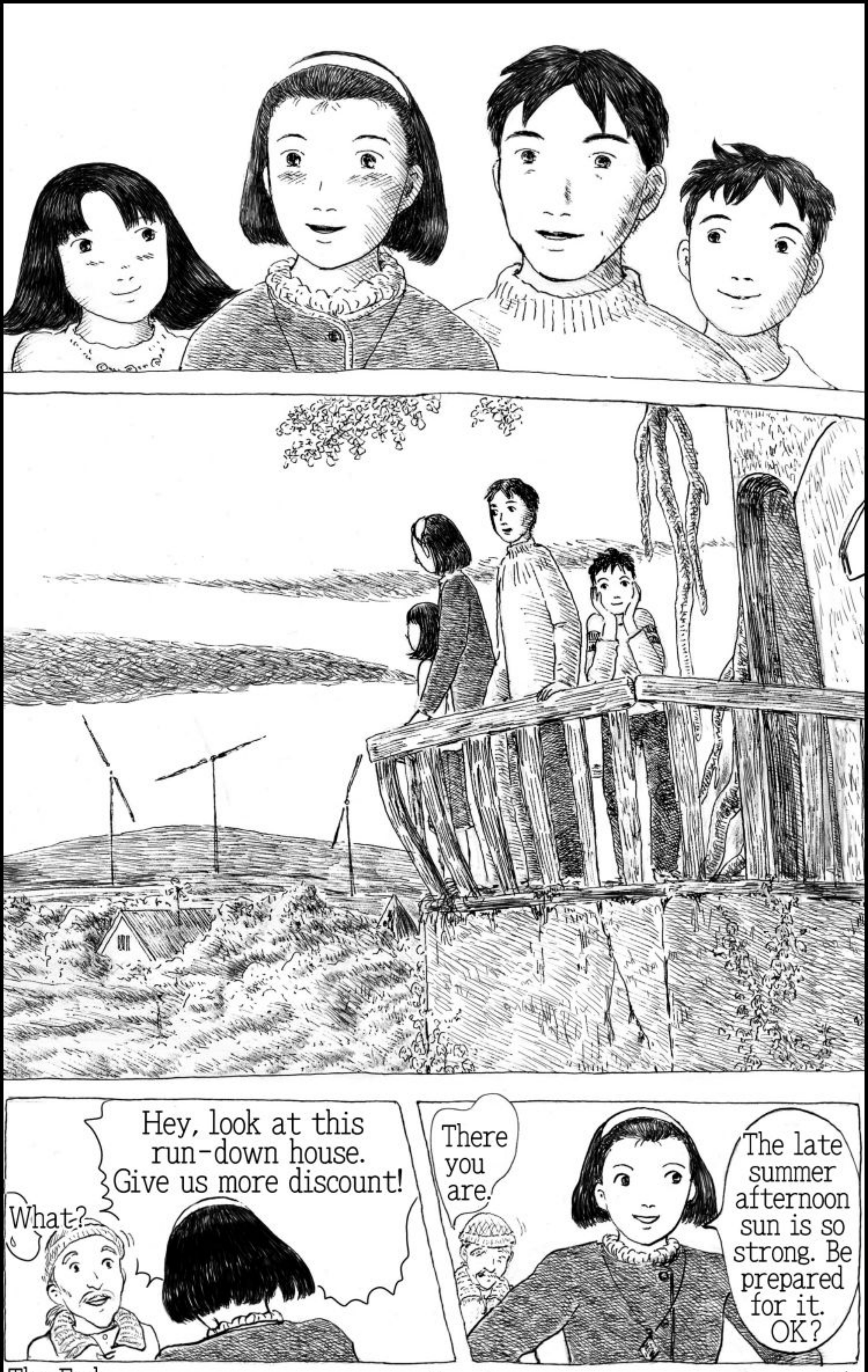
Mom, it's warm inside.

"Brrr. I wanna go to the next house."
The demolition cost will be--

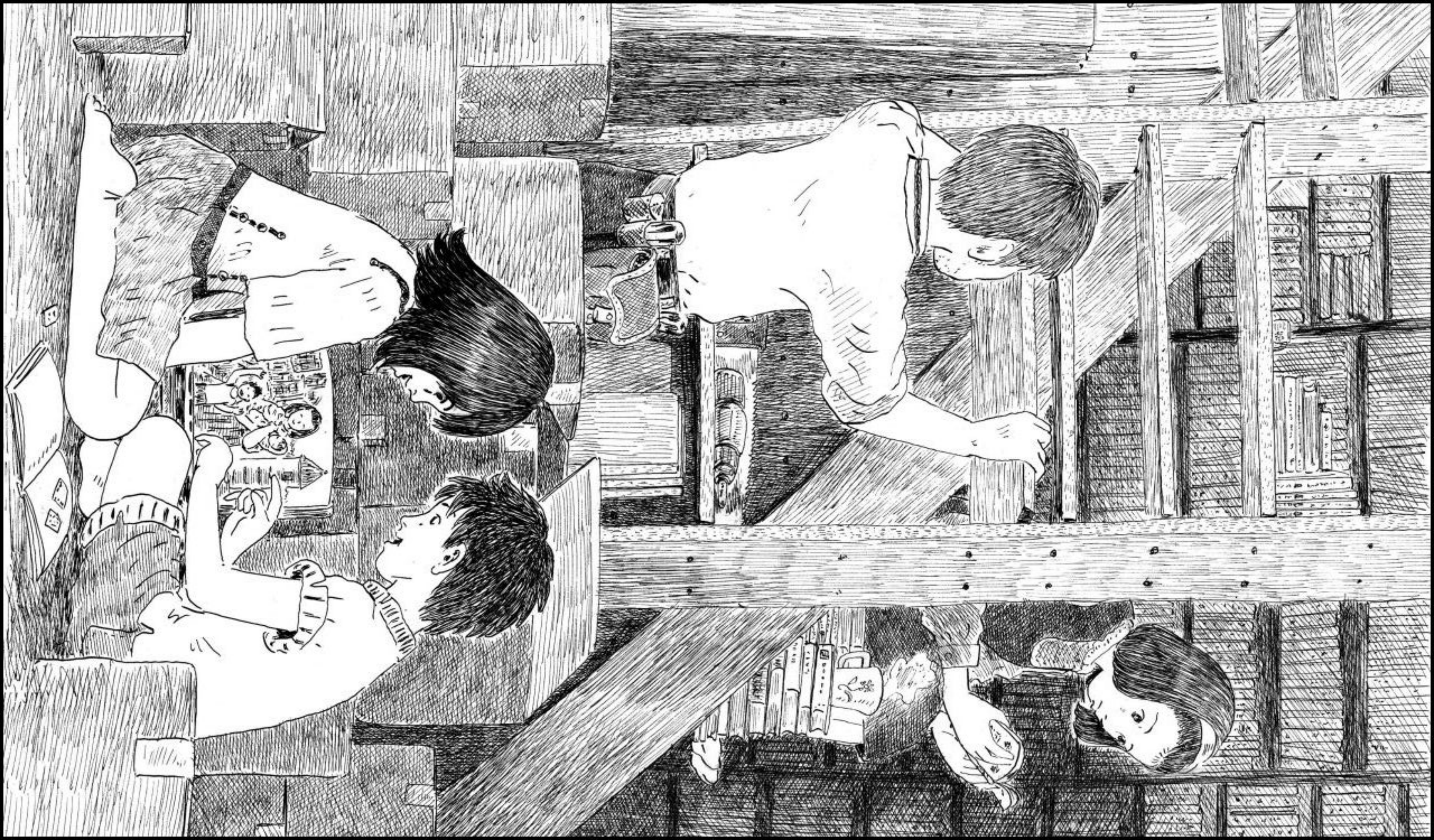
2
1
What a big pillar.
Excuse me?
2
I feel relaxed in here.
1

You guys seem to like it here a lot. What's so good about this run-down house?
1
It's like a jungle.
2
A haunted house!
3
Go wait over there.
4
It looks old but it's well-built. I don't think it will break down.
5
The bathroom is broken. We can't use it!
1
Yeah, that's terrible. We need to ask to renovate it.
2
Rickety doors, battered walls. What if the roof leaks ? Winter is coming, you know ?
I guess it's a good chanceto show my DIY skill!
Uhhhh

"Dad, mom, come upstairs."

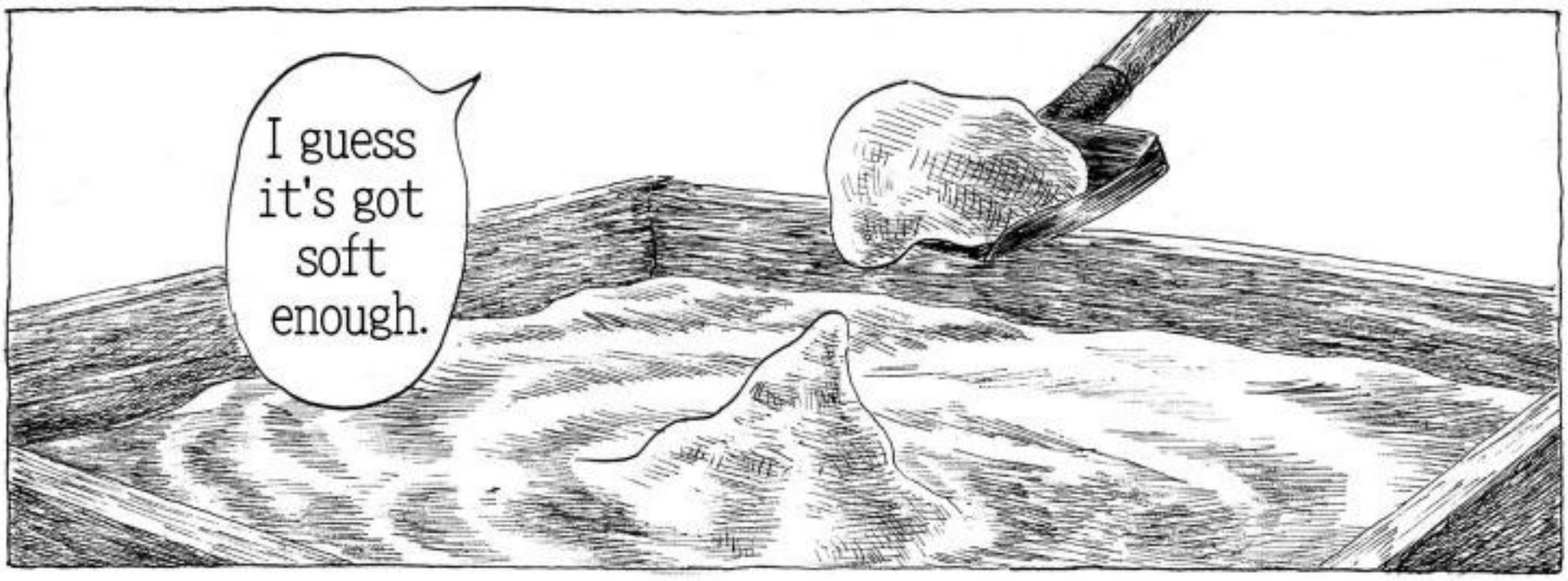

There you are.
The late summer afternoon sun is so strong. Be prepared for it. OK?
Hey, look at this run-down house. Give us more discount!
What?

The End



"Clay"

Look at this. I found it at the front door. Was it an entrance decoration?
1
I see its trace over there.
3
Pretty.
2
We've got to get our new entrance decoration.
1
Well, we'll need to fill holes in the roof and floor before that.
2


I guess it's got soft enough.

Now, we are going to use it to fill holes in the roof and floor. OK?
1
It's clay
2
Fill it up.
3

This trowel makes a beautiful finish.
1
Uh-huh.
2
Can you help us, Fu?
3
Sure.
4
I'll clean the kitchen.
5

Mom.
2

I'd rather do this than work in mud.
1

I'm gonna fill this hole.

Toki?

トロー
DRIPPING
2

ペタ
SPLAP
ペタ
SPLAP
ペタ
SPLAP
1

We are on the roof

Oh, no!

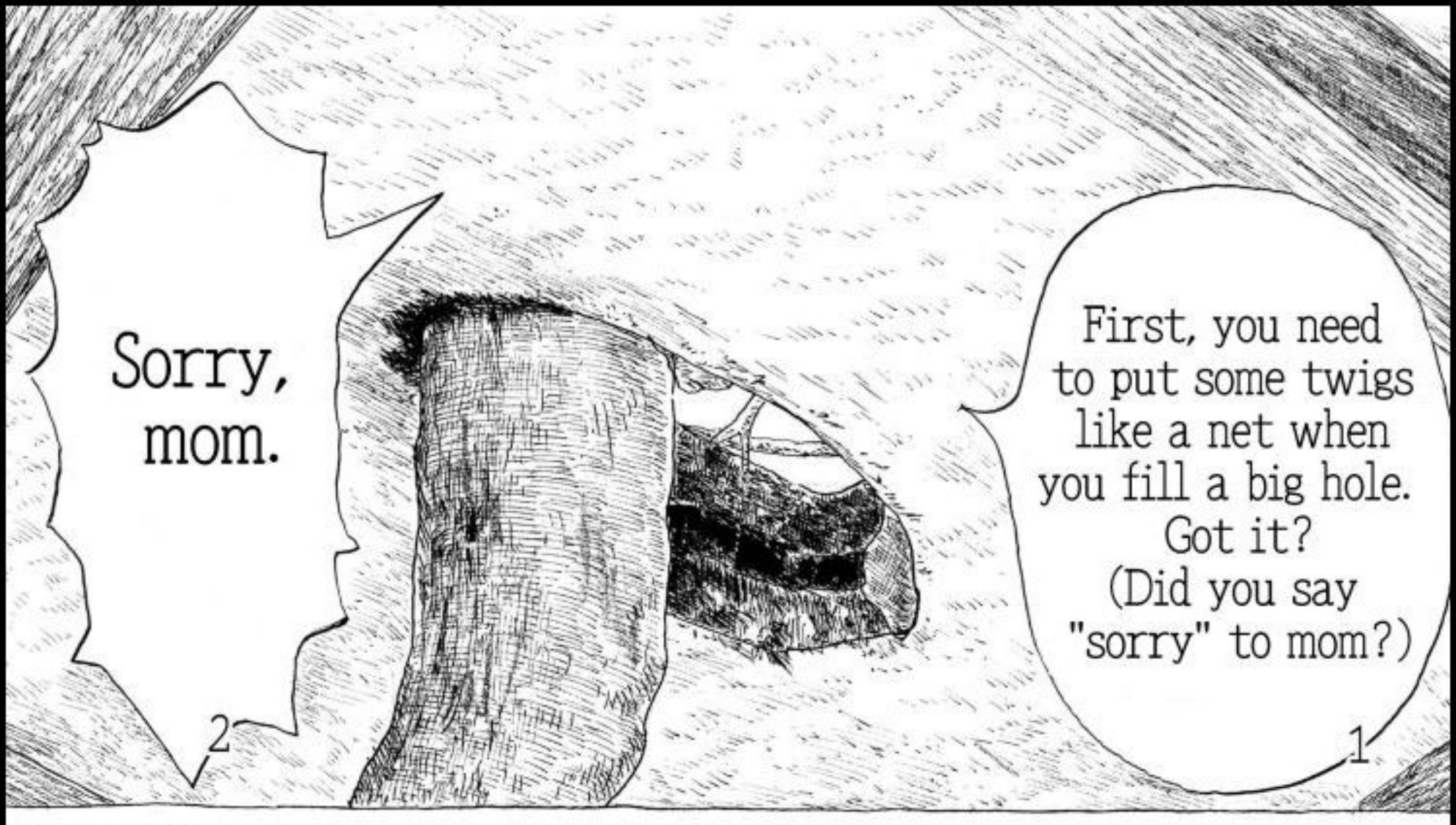
あ゛

Arrrggg!

Is that Mom? 1

I messed up. 2

Uh-oh.

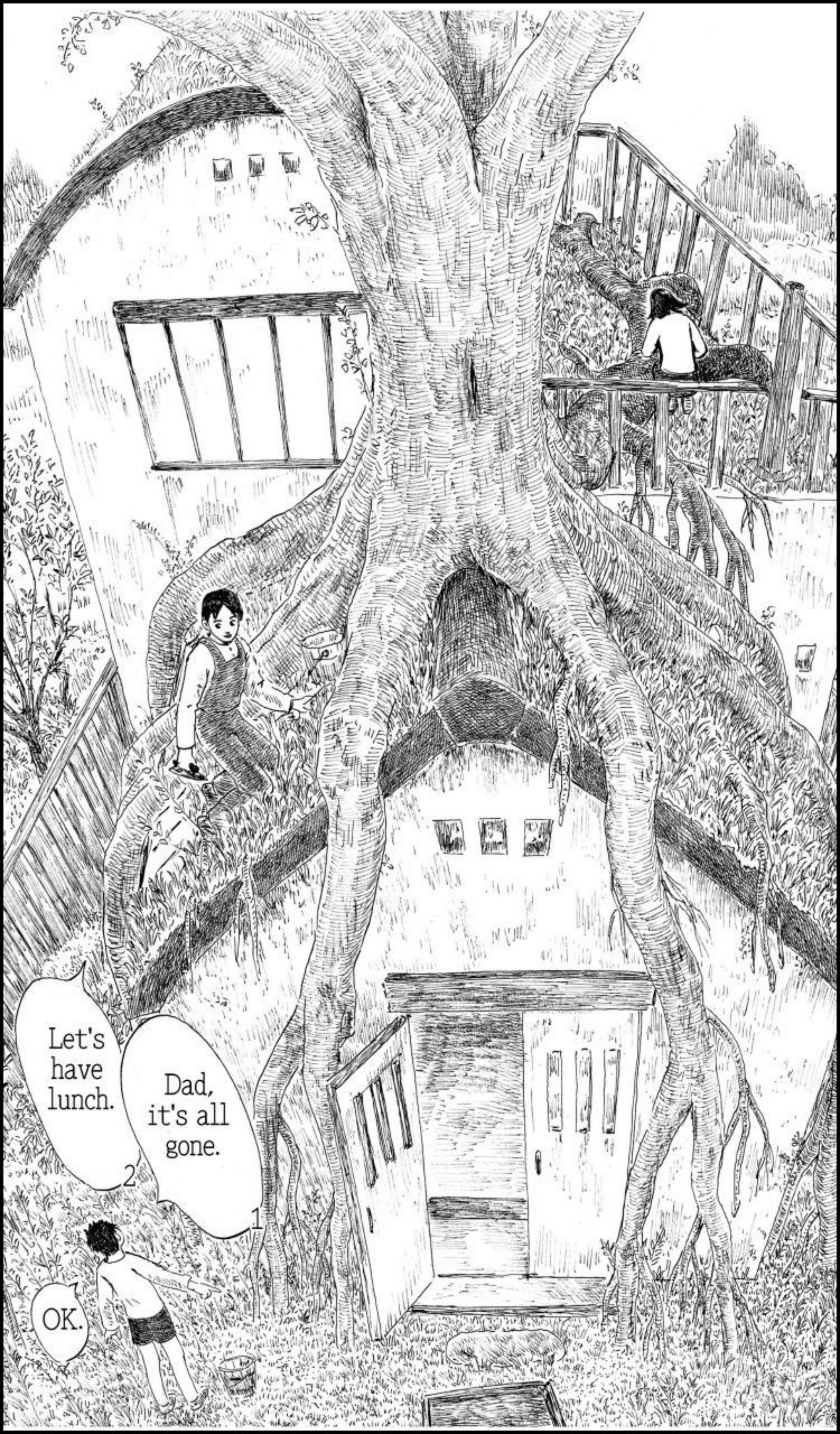

Sorry, mom.
First, you need to put some twigs like a net when you fill a big hole. Got it? (Did you say "sorry" to mom?)
2
1

3

2

MUMBLE...

1

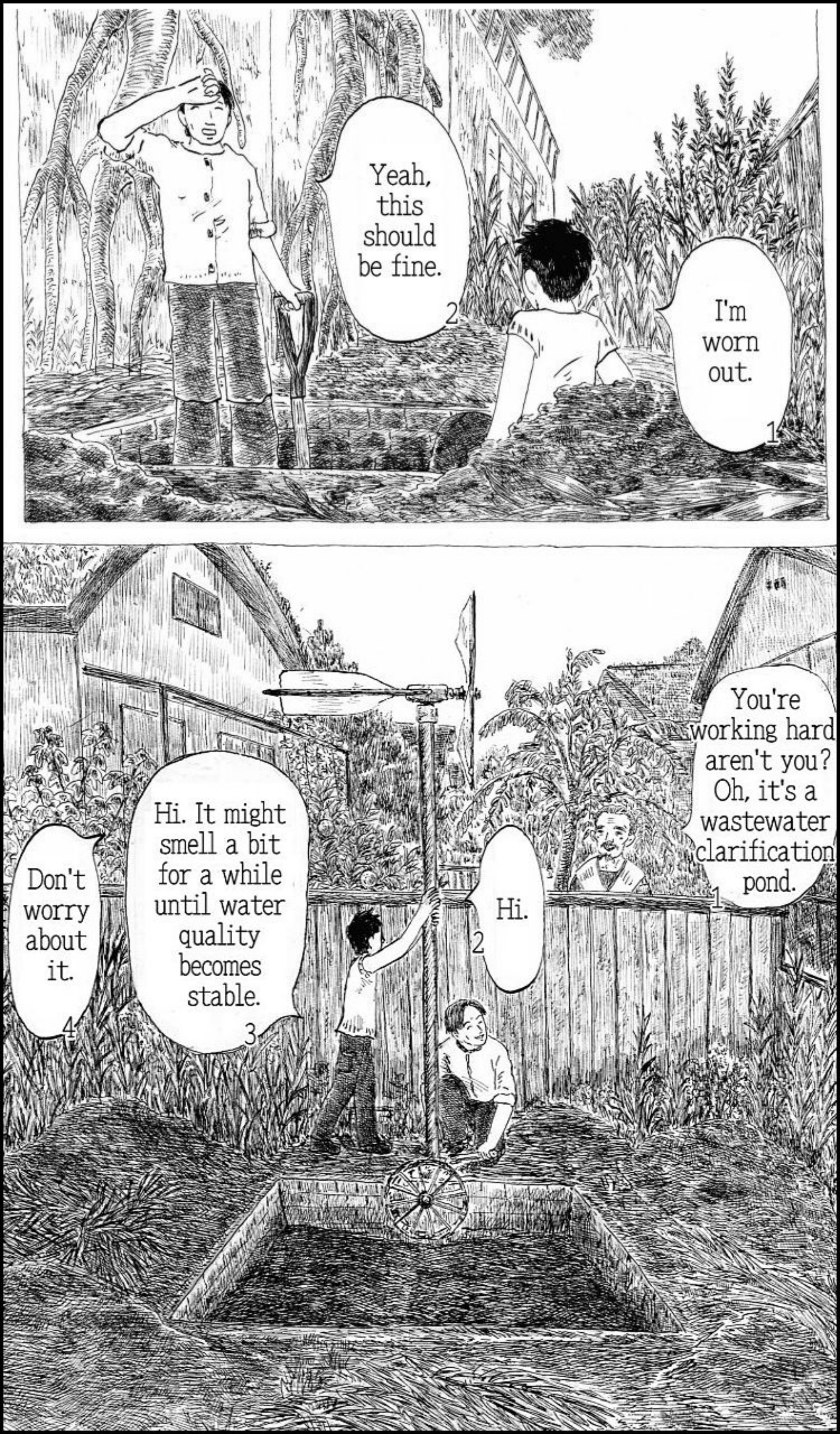

Let's have lunch.
Dad, it's all gone.
OK.

What's wrong with her?
1
She hasn't moved in that position. Is she still angry with me?
2
Excuse me.
Mom, I'm hungry.
Oh.
How cute!
Mud?

The End

2005.43 秋元なおと.

"Biotope"


Yeah, this should be fine.
2
I'm worn out.
1
You're working hard aren't you? Oh, it's a wastewater clarification pond.
1
Hi.
2
Hi. It might smell a bit for a while until water quality becomes stable.
3
Don't worry about it.
4

When the windmill turns,

the water wheel below turns and gives air to water. And that makes water clean.

It doesn't turn.

1

No.

2

Anyway, let's put some drainage in it. Can you bring some fish, Toki? 1

Sure. 2

Oh. 3

Hi, Toki.

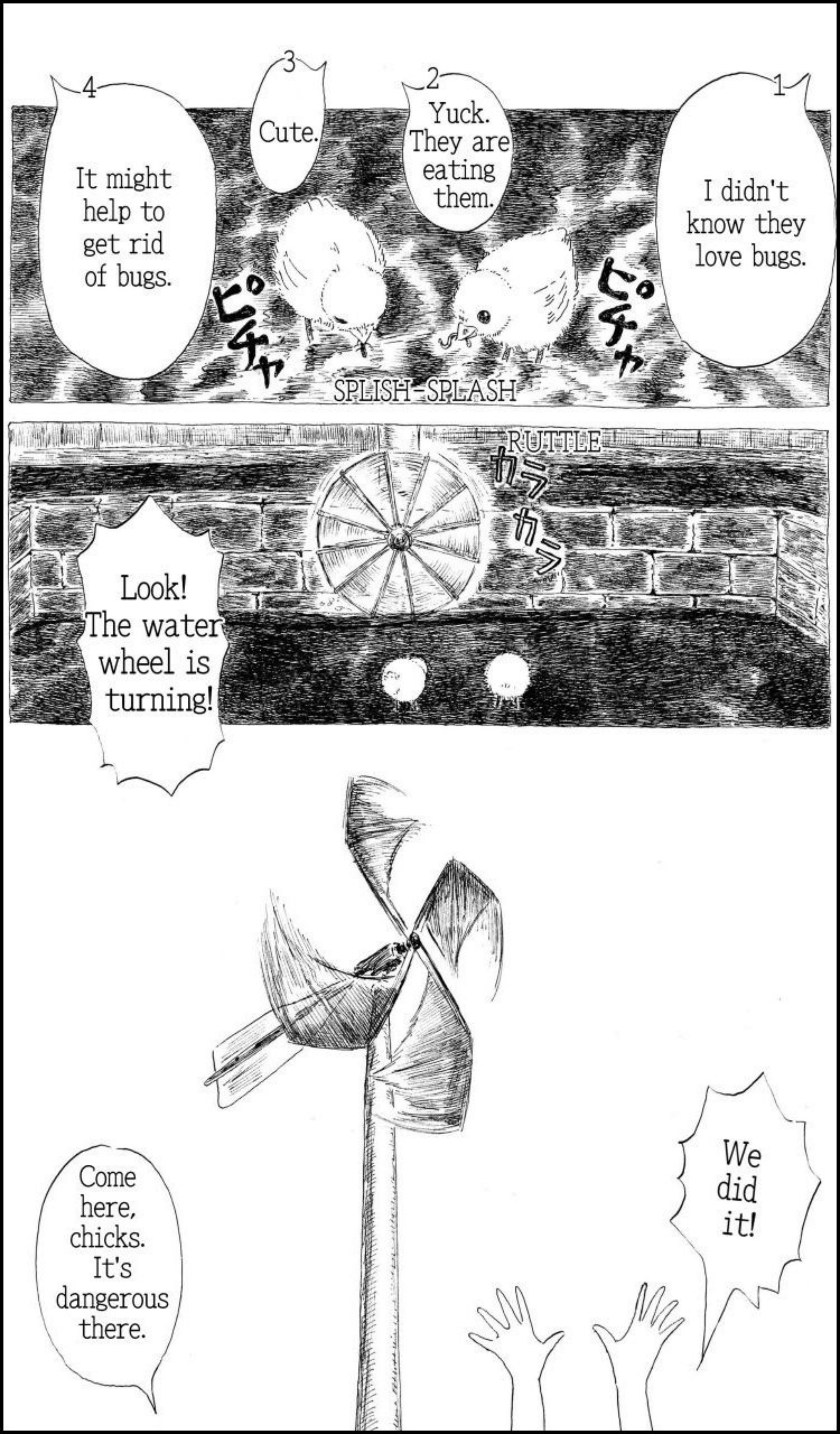
Oh, you're almost done.

Hey!

Look what I got!

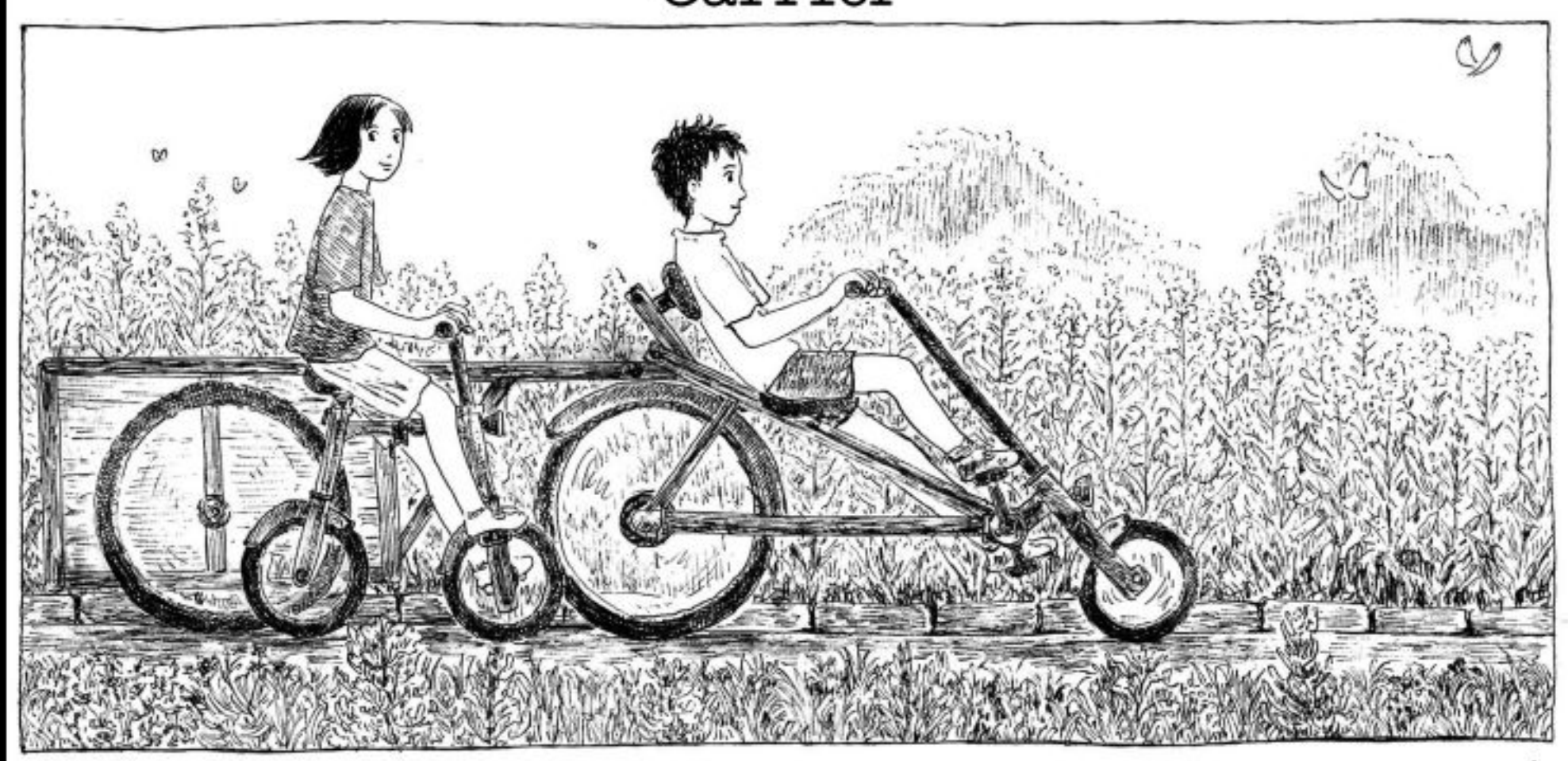
They are eating grass. Cute.

PEEP
PEEP
PEEP
FLAP
No!
2
1
ZOOM
Hey, don't get into the water. It's dirty.
FLAP
ピョン

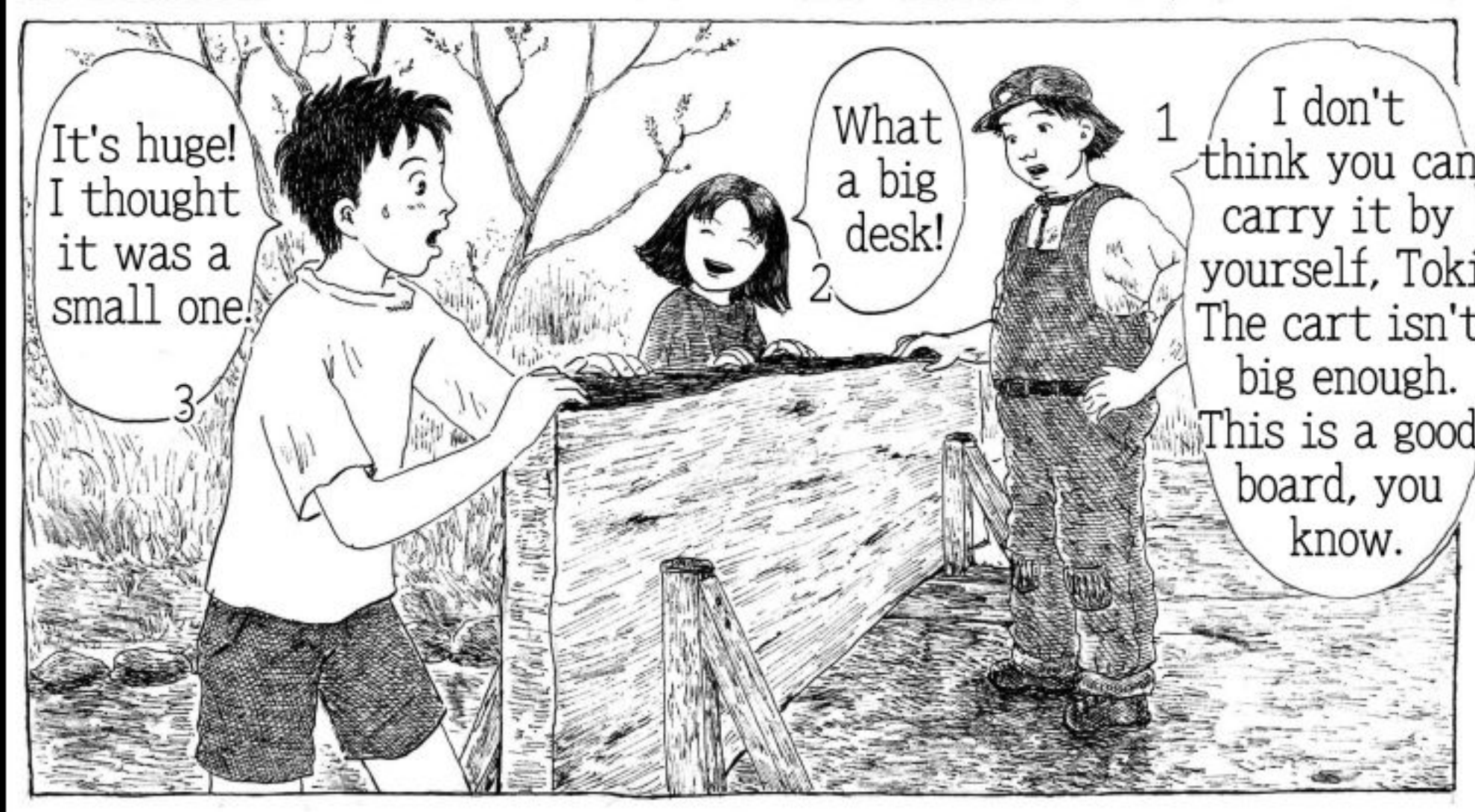

1
I didn't know they love bugs.
2
Yuck. They are eating them.
3
Cute.
4
It might help to get rid of bugs.
ピチャ
ピチャ
SPLISH-SPLASH
RUTTLE
カラカラ
Look! The water wheel is turning!
Come here, chicks. It's dangerous there.
We did it!

Perfect.
Look at them!
Oh, that's wonderful.
Cute.
A few months later...
The End
2005.11.3 秋元なおと

"Carrier"



1
Hello!
2
We're here to pick up a desk.
Hi, Toki, Fu. Is your dad coming?
No. He is busy with work.

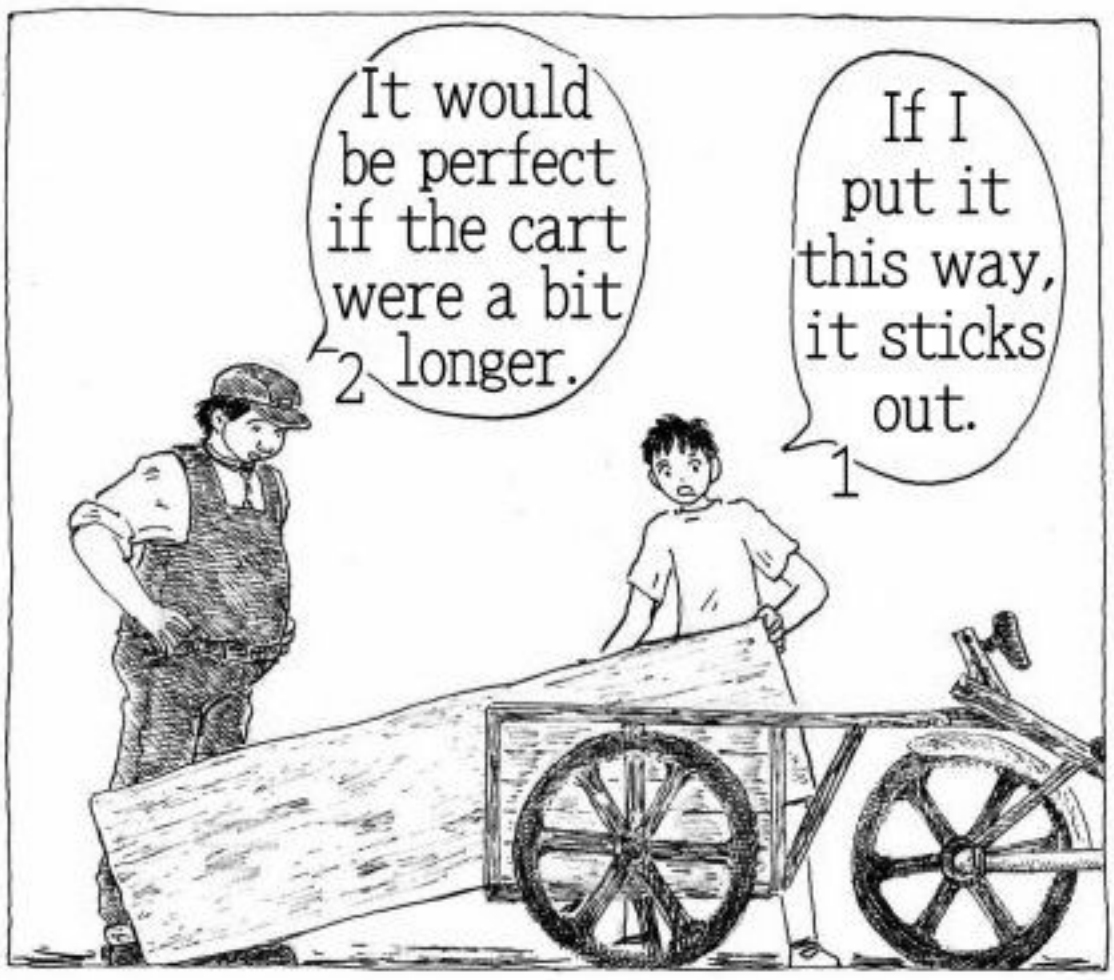

1
I don't think you can carry it by yourself, Toki. The cart isn't big enough. This is a good board, you know.
2
What a big desk!
3
It's huge! I thought it was a small one.

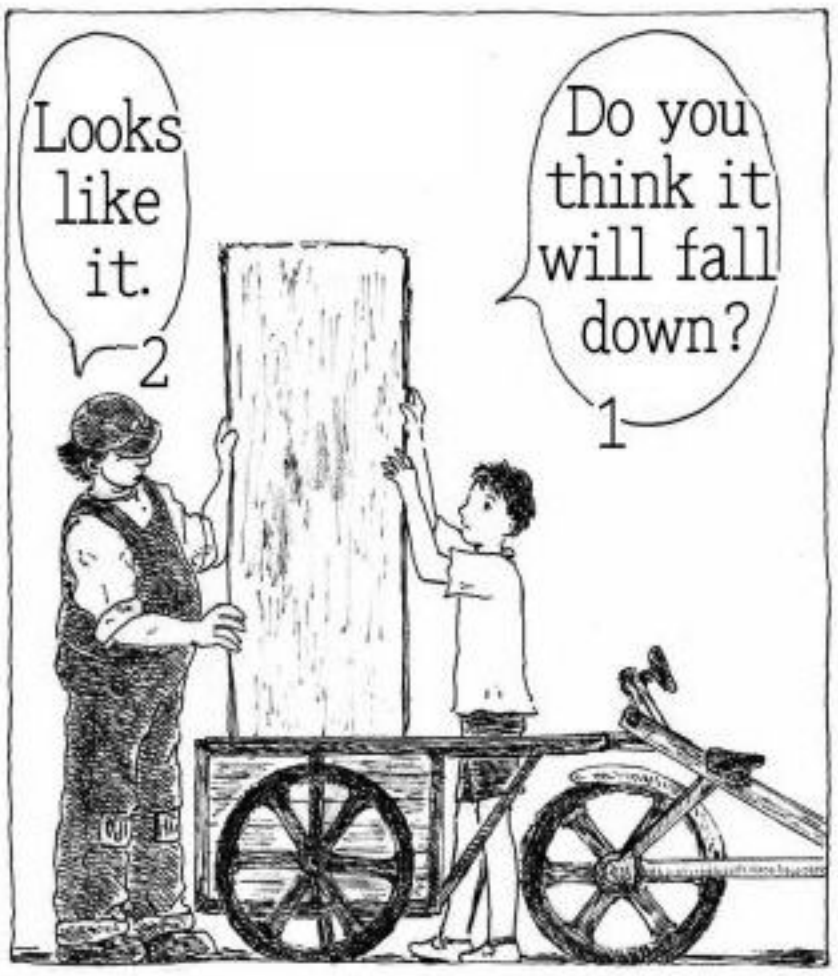
2

Let's just try to put it on the cart.

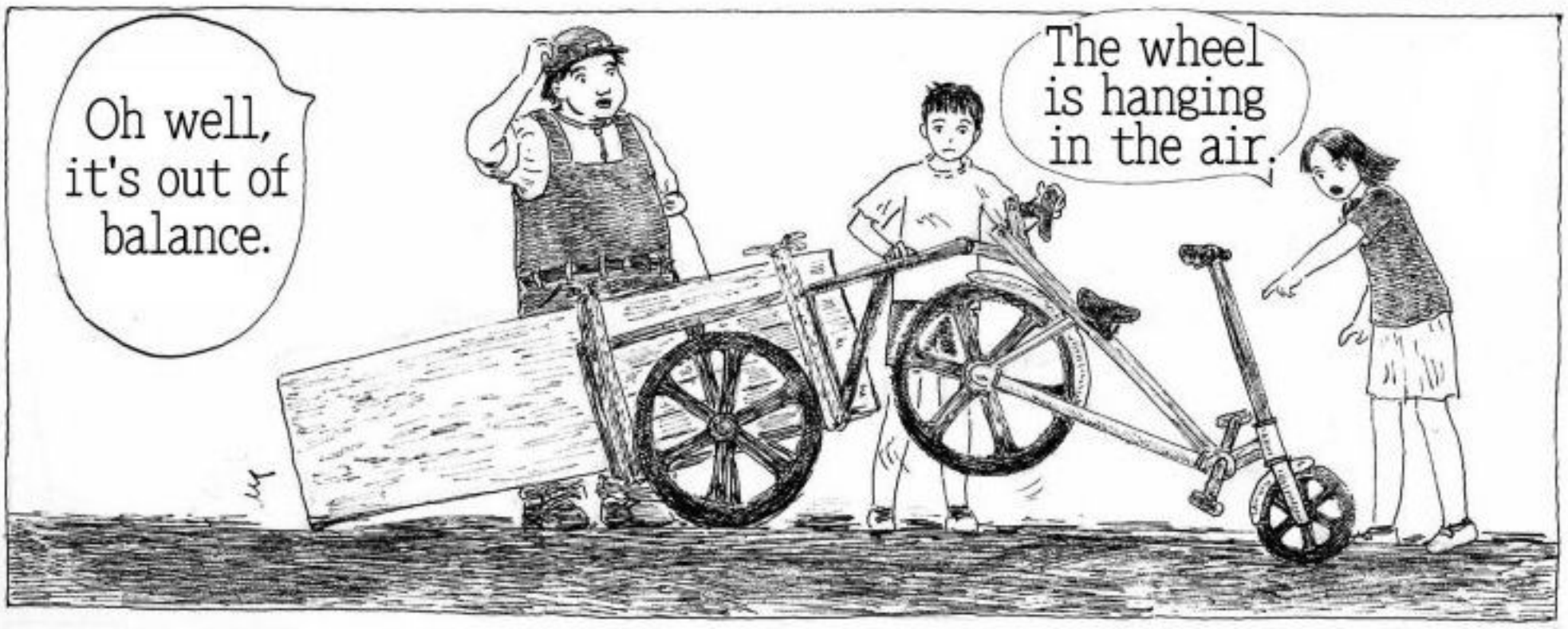
1

Uh...
Come again.


It would be perfect if the cart were a bit longer.
2
If I put it this way, it sticks out.
1


Looks like it.
2
Do you think it will fall down?
1

OK. Let's do it.
2
How about tying it with a rope?
1


Oh well, it's out of balance.
The wheel is hanging in the air.

2

Wow.

How about this?

1

Fu, come here.

OK?

I can pedal, so I'll carry it. 2

Um.... I'm not sure. 1

All right.

Can you put Fu's bike in it? 2

I'm a bit worried, but if you say so. Here are the legs. 1

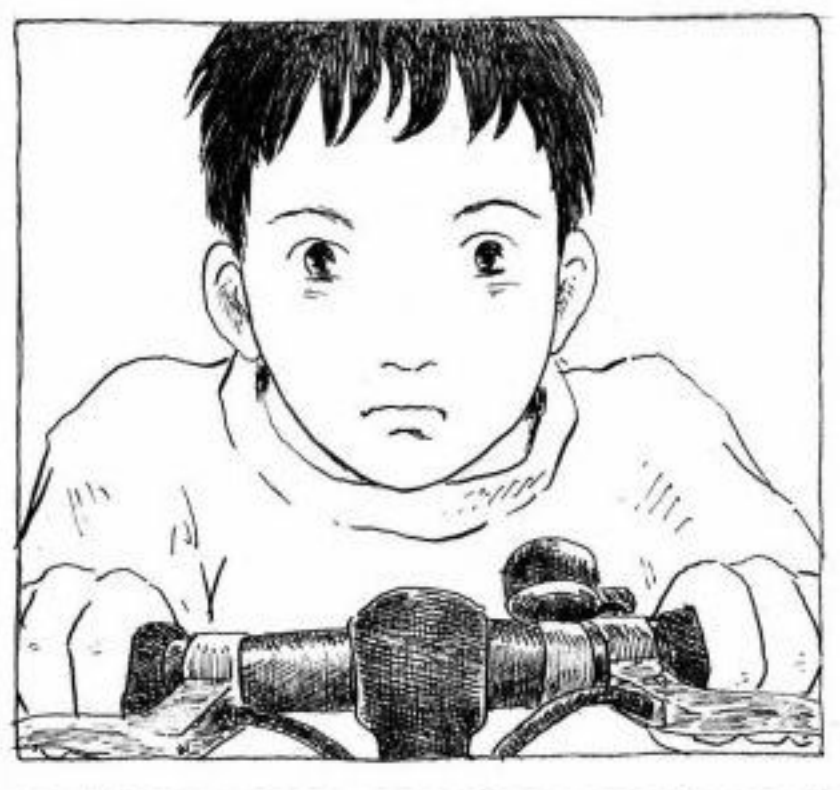
Bye!

Bye ee...

Take care! Don't go too fast. OK?

2

1

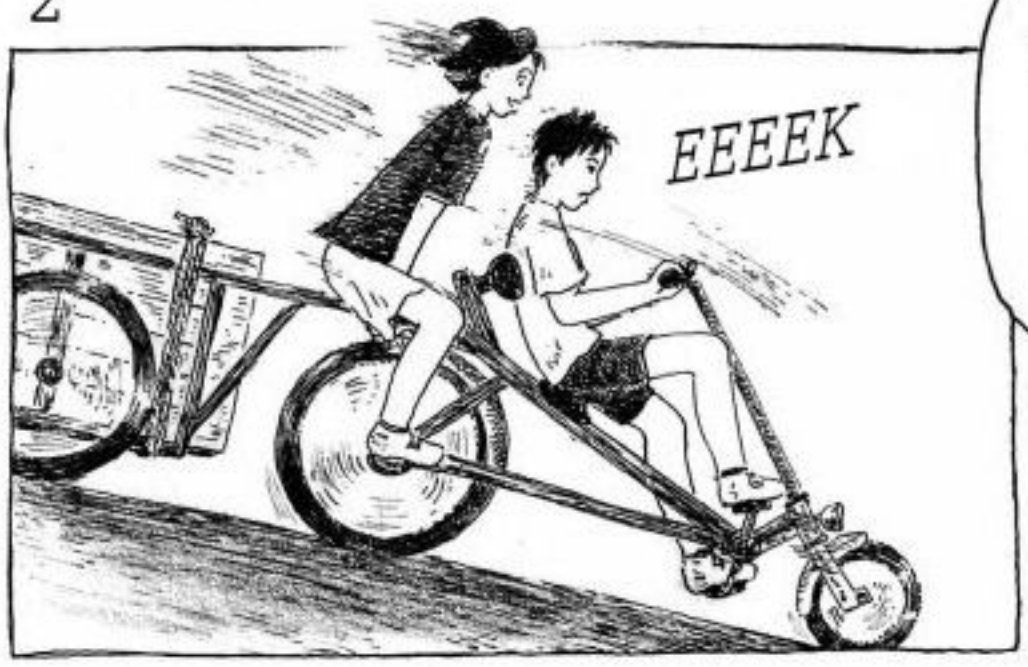


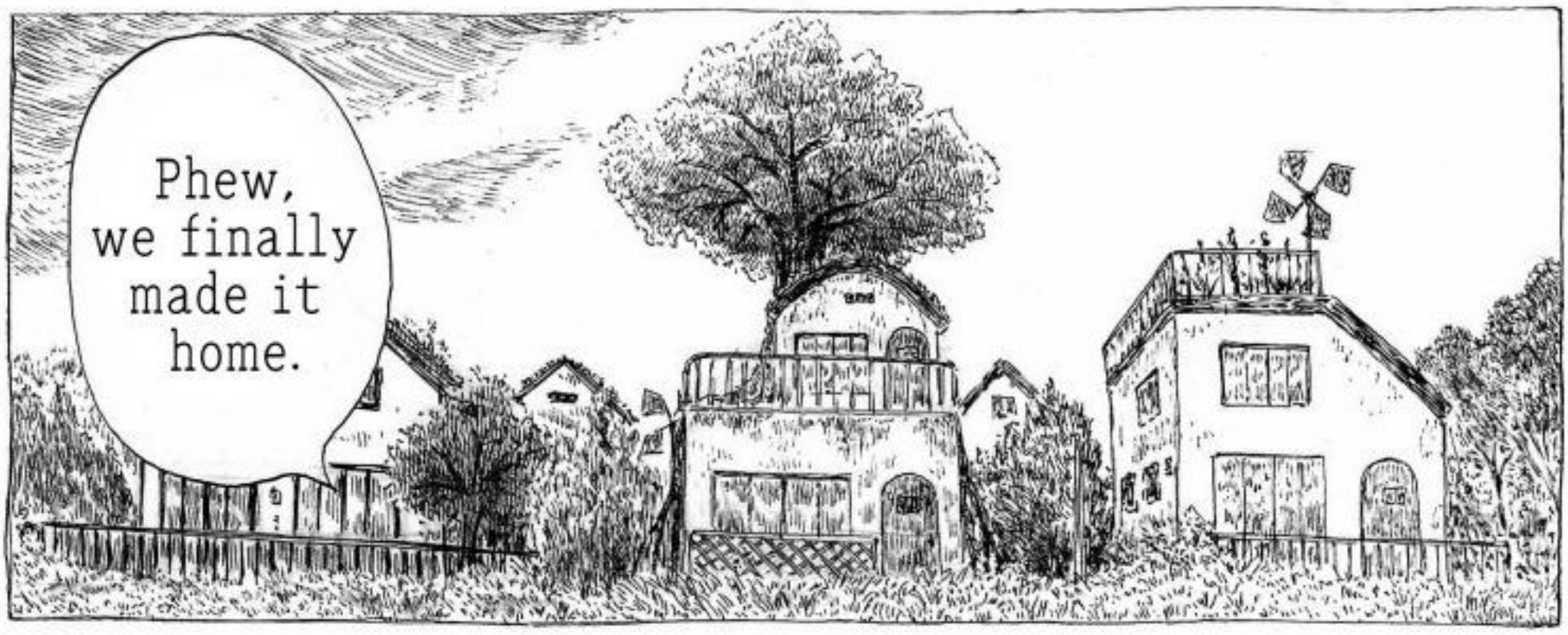
UGH~
Slowly~
Do you want me to push it ?
1
No!
2
I'll help you.
1
2
No way.
2
1
ガッ
BUMP!
Oh.
Ugh.
Oh well, eyes on the road.
2
This slope is killing me.
1

1

Wow, how fast!

2


EEEEK


Phew, we finally made it home.

Mom, we're home.

ガクッ
BUMP!
UGH.

How were you able to carry such a heavy stuff?

hehe

OK. Just leave it here.

ガタン RUTTLE

3

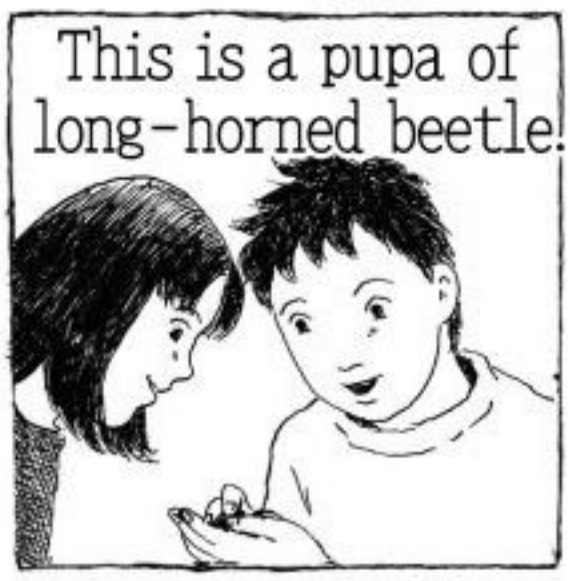
TWITCH

2

What's this?

1

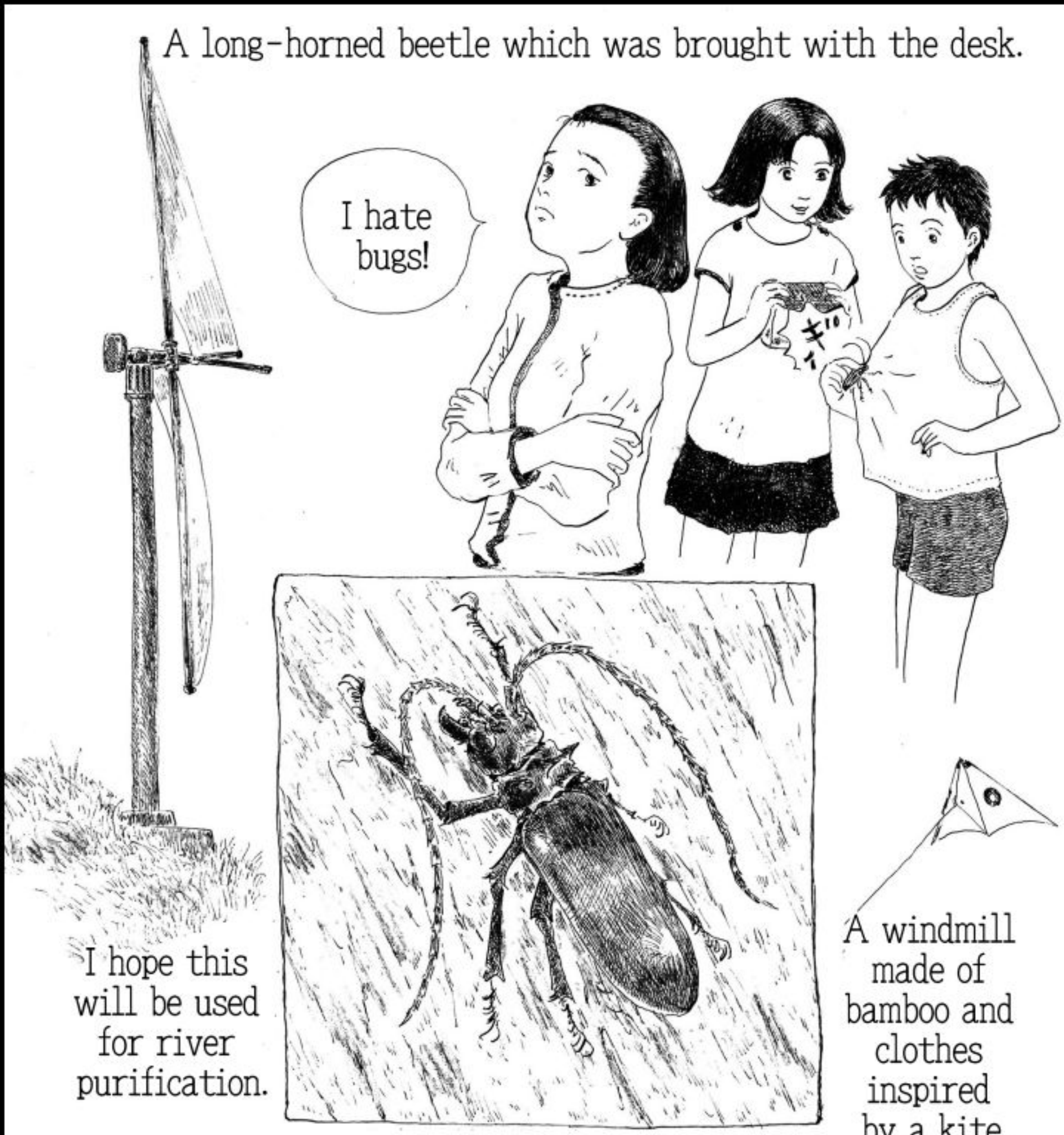
CLINK



The End

We carried this.

A long-horned beetle which was brought with the desk.



I hope this will be used for river purification.

A windmill made of bamboo and clothes inspired by a kite.

When windmills become a part of our everyday life in the near future, some may say they are dangerous especially in the areas many people live because the metal blades could fall down due to some kind of troubles or accidents. So I think it's a good idea to use clothes and bamboos for making small and mid-size windmills used in the town.

They look safer, right? Bamboo is flexible, withstands strong winds, and on top of that, it's light and strong. So it's perfect for windmill.

We've been using bamboos for making kites, model planes and taketonbo (simple helicopter-like toy). Bamboo and wind go well together. We have bamboos all over Japan, so that is exactly "local production for local consumption". I hope you like this idea.

"Cooking"

Hi. Here is a package for you.
カシャ
CLICK
Hi.

Could you sign here?
Oh, thanks.
Dad.

Are you sure you can assemble it?
I've been waiting for it.

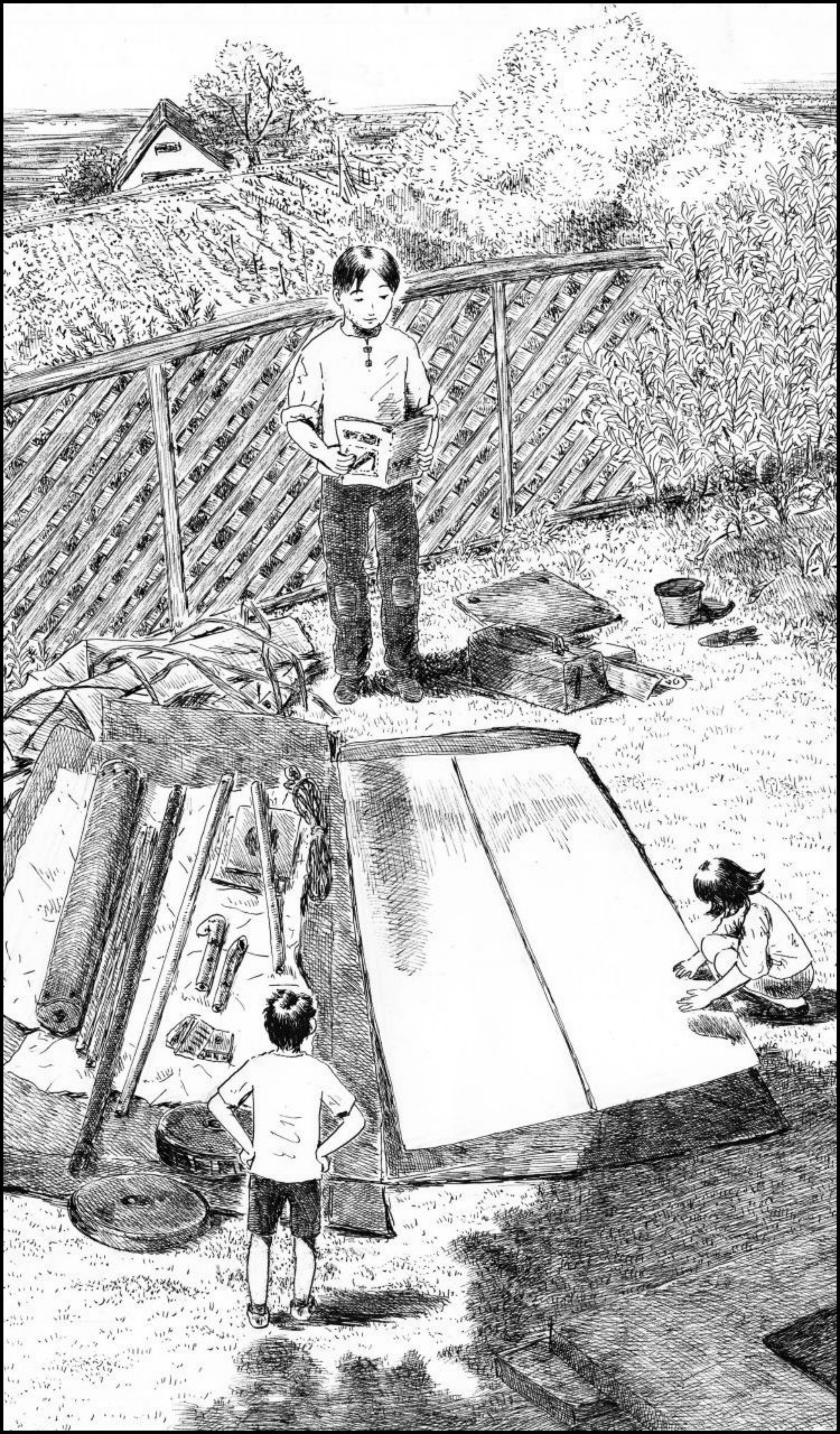
We are having a barbecue for lunch as planned. Get some meat ready. 1

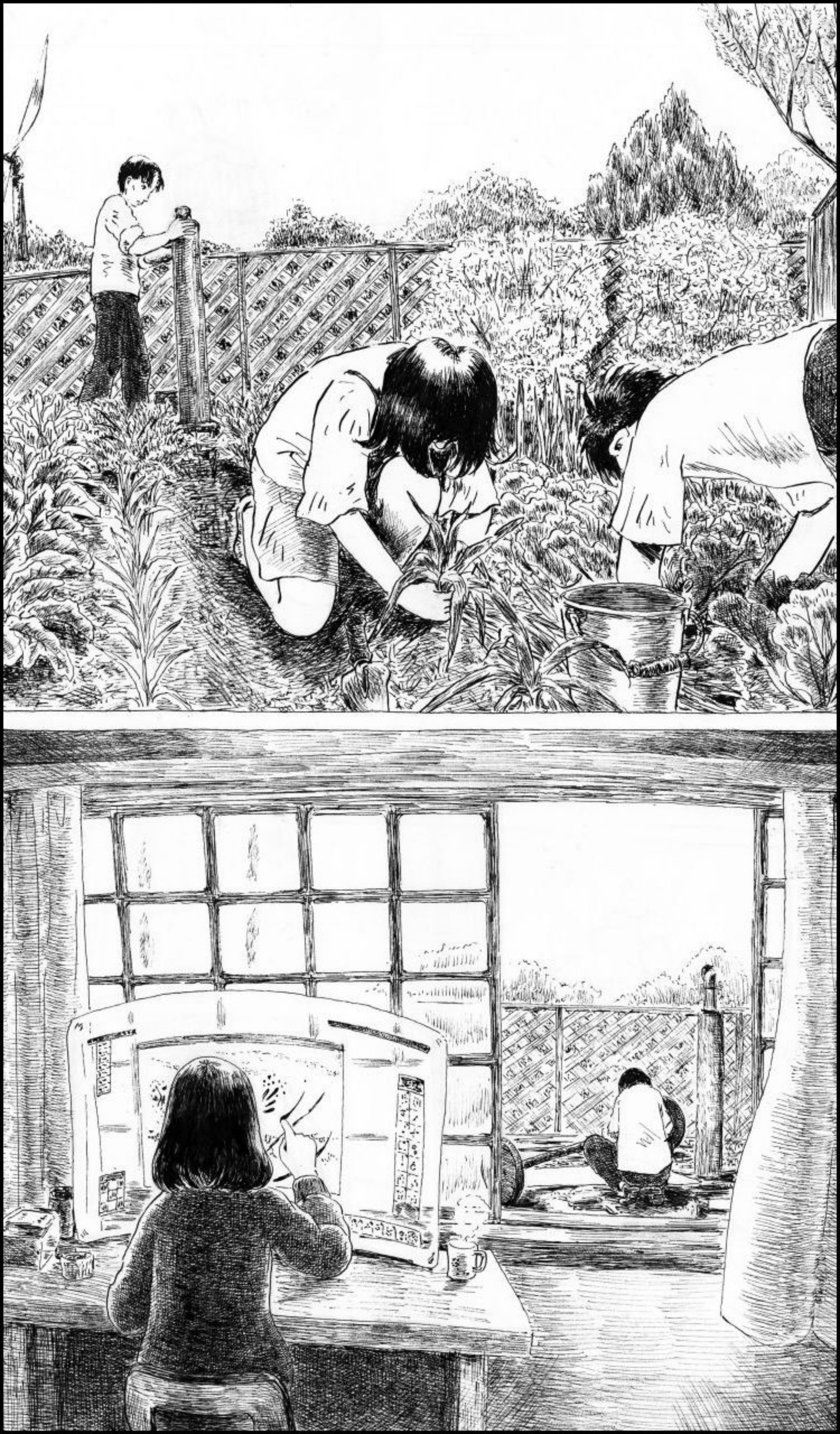
Sure. 2

We are having a barbecue. Go get some vegetables from the garden. 1

OK. 2

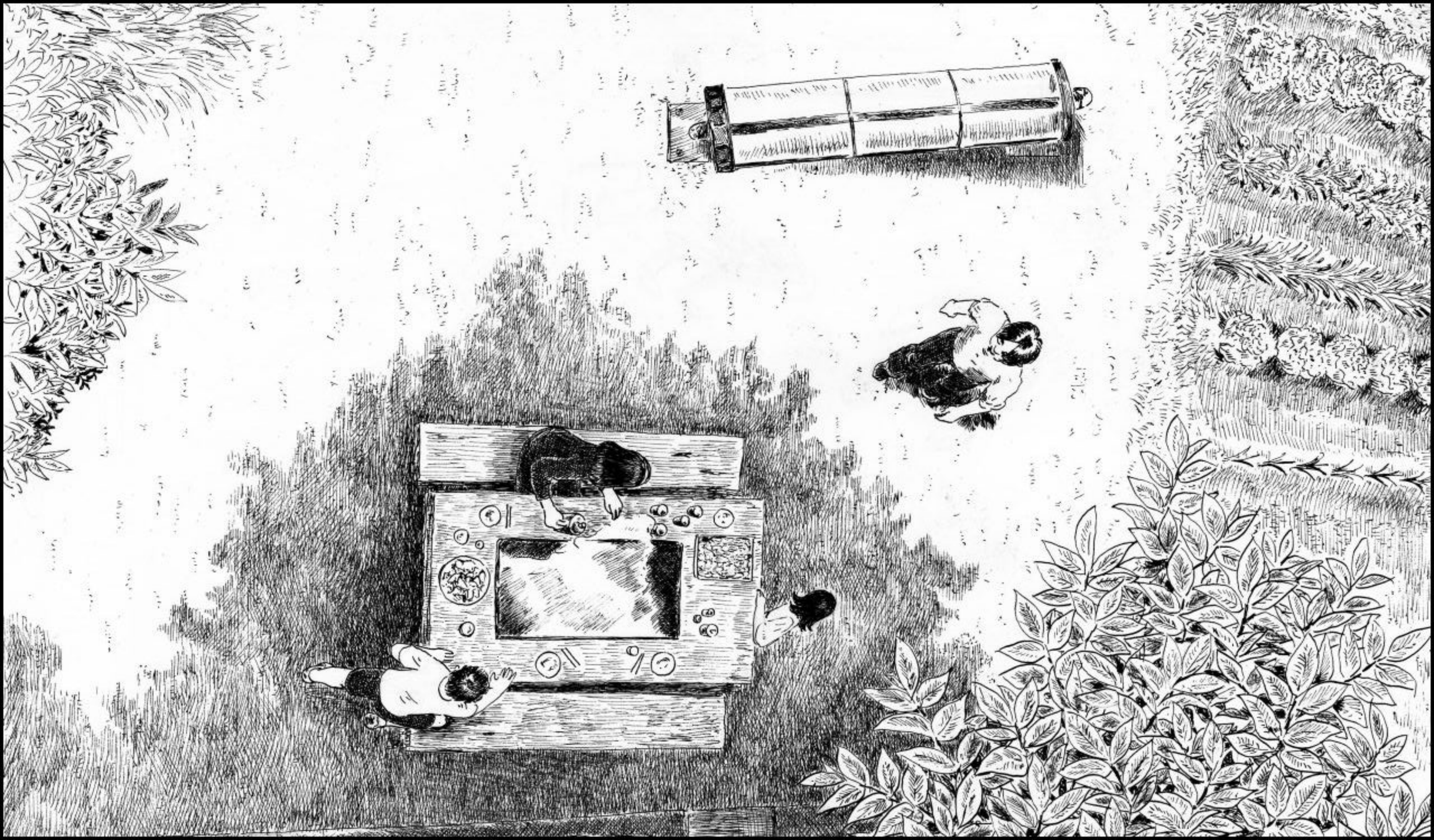
All right. It's a perfect day for it. Let's get started.





You did it.

Here we go!
Wow, it's moving.
1
It's moving toward the sun.
2
Wow, it's rising.
2
1
Yes, yes! It's working.
パチパチ
CRACKLE



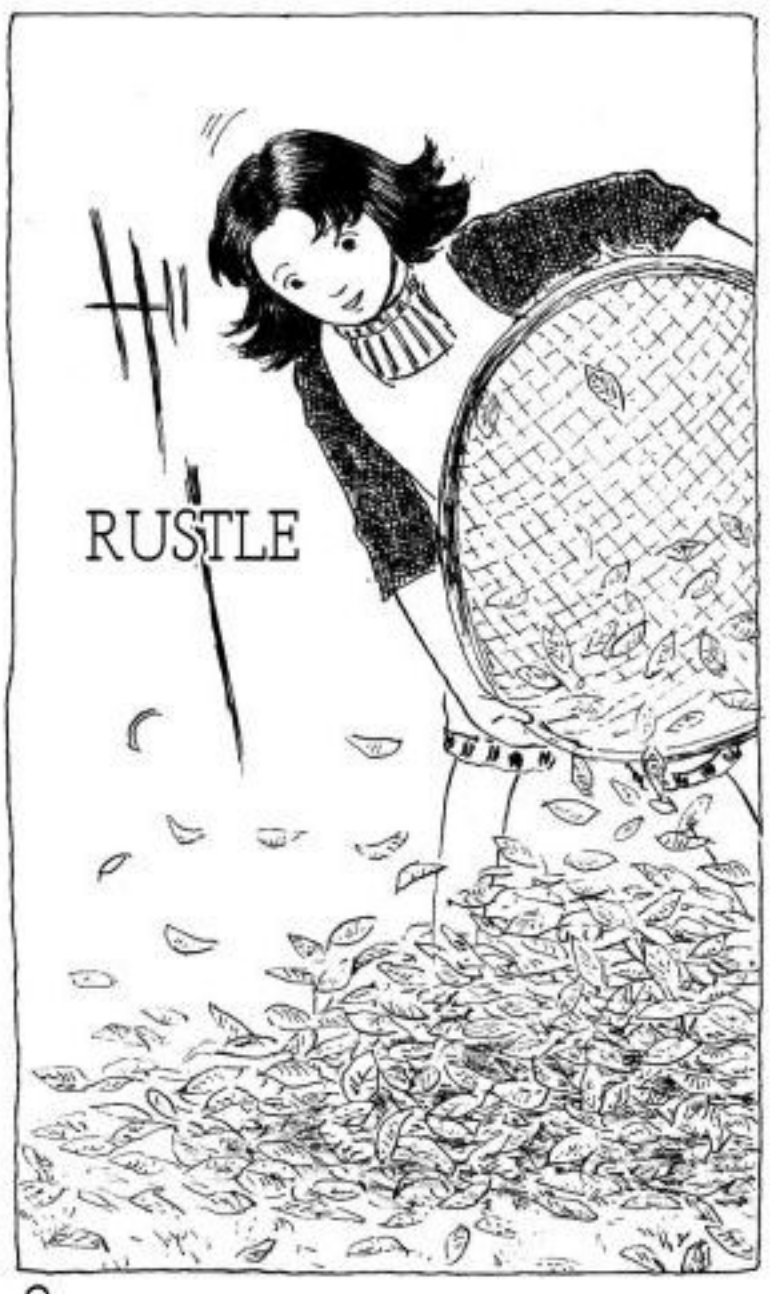
No worries. It stores heat.
2
Oh, no. The sun is hiding.
1
A story of a heat storage solar cooker.
GLUG GLUG
Mmmm
CRACKLE
The End

"Treat"

2
1
ギーコ
SAW
ギーコ
SAW
RUSTLE
ザッ
ザッ
ザッ
Fu, Toki, step back!
One, two. three. lift.

RUSTLE

3



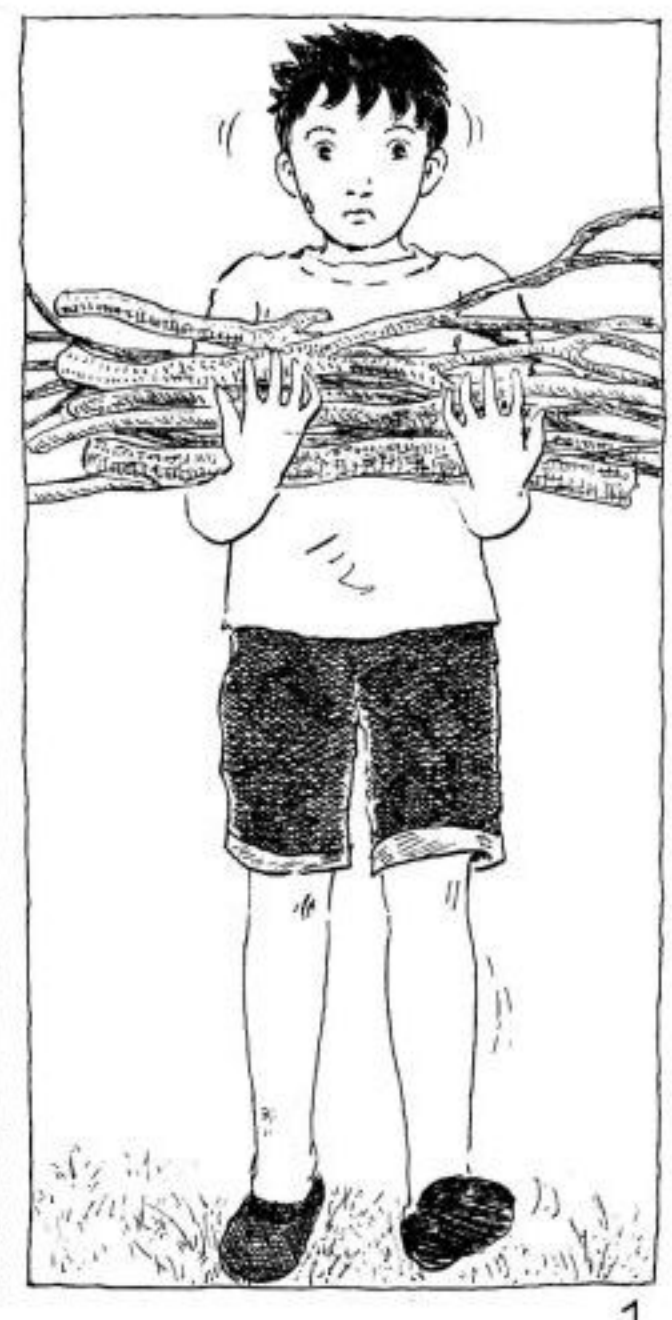
2

1

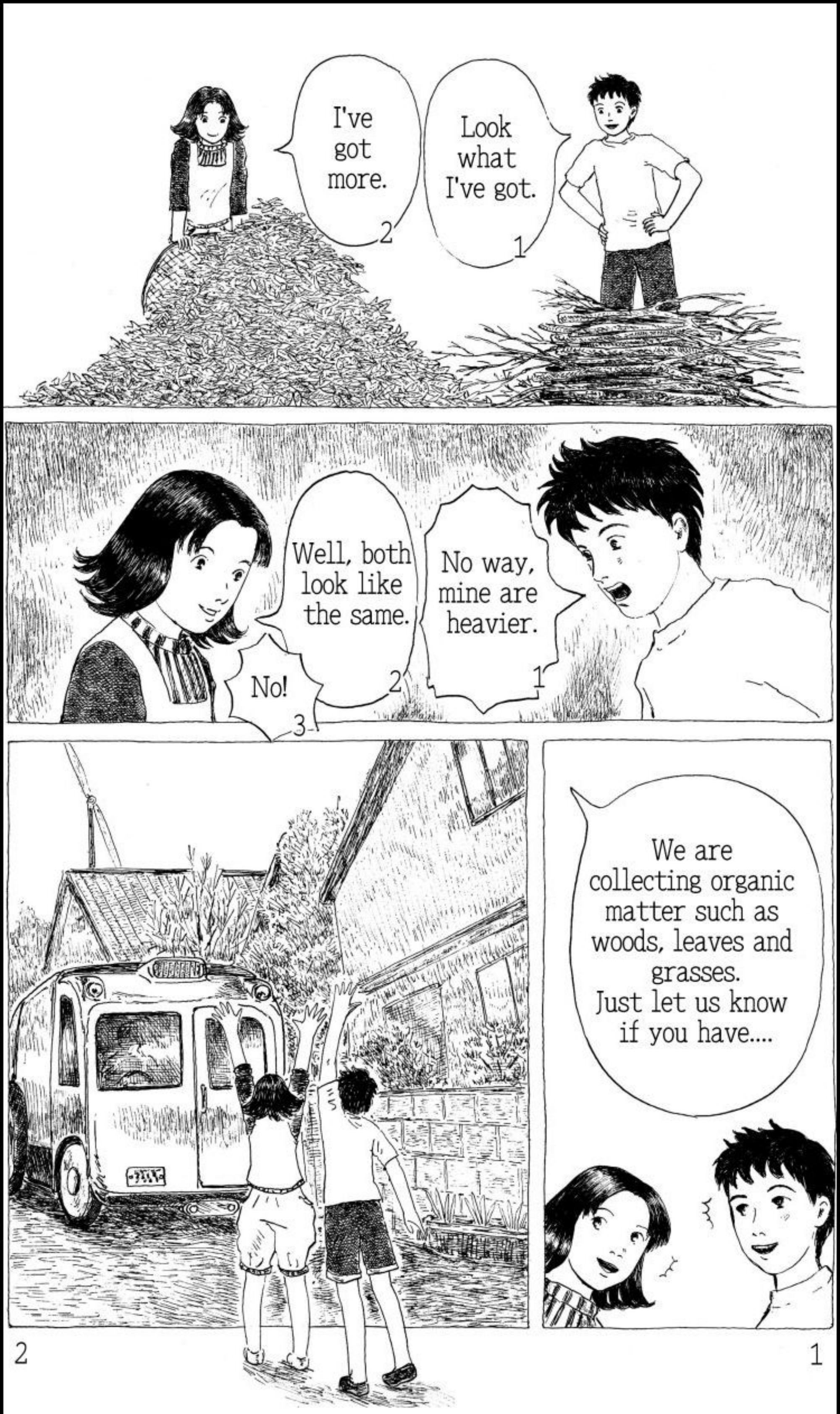
ギーコ
SAW
ギッ
ギーッ
SAW

3

2



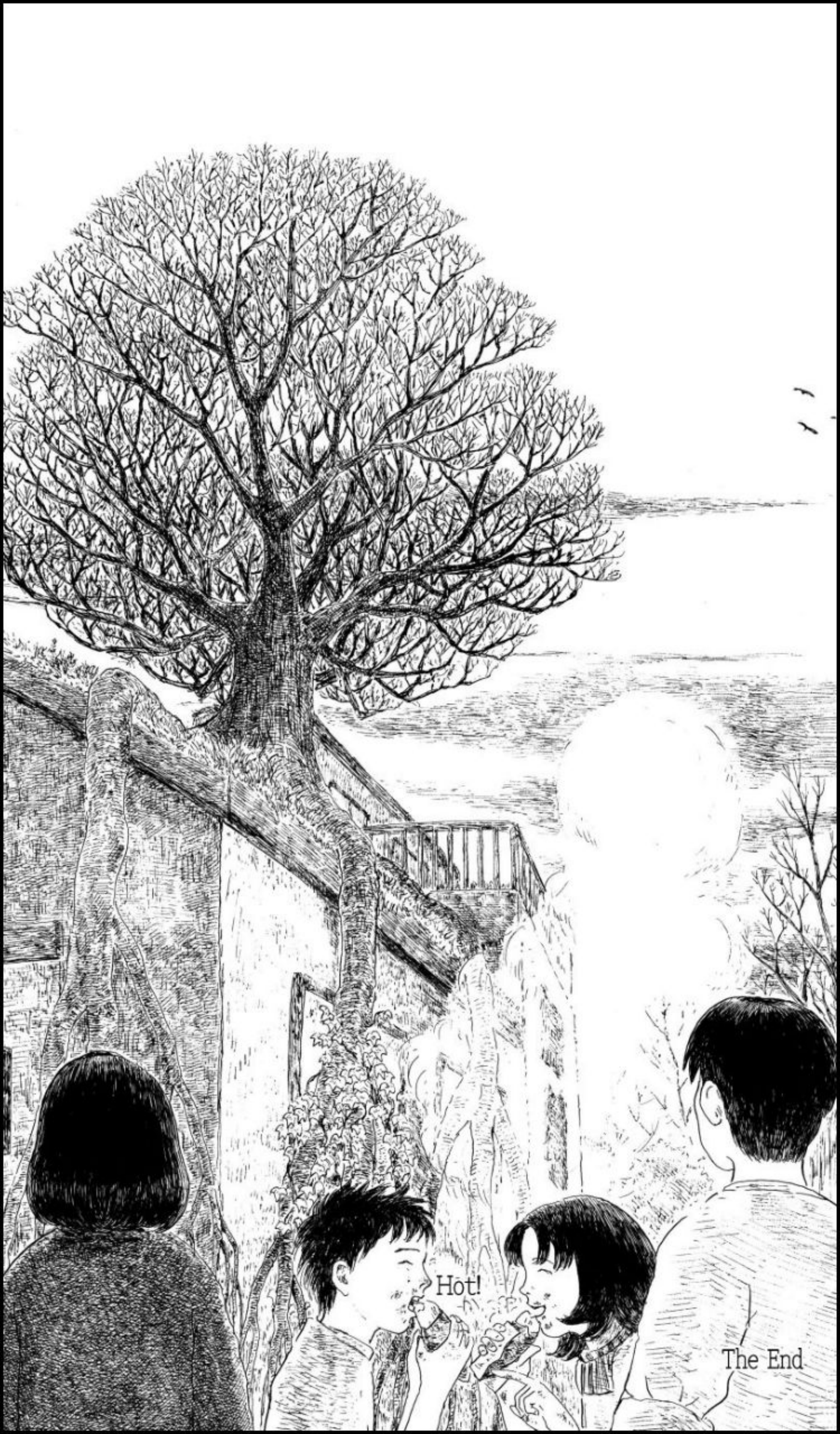
1


I've got more.
2
Look what I've got.
1
Well, both look like the same.
2
No way, mine are heavier.
1
No!
3
We are collecting organic matter such as woods, leaves and grasses. Just let us know if you have....
2
1

2
RUMBLE
CRASH
CRASH
1
Yeah, check them out.
2
Hey, you've got a lot.
1
Sure. Here you go.
2
Count separately, OK?
1
Yay!
We've got the same amount.

Fu, Toki, baked sweet potatoes are ready.
They look great.
Oh, it's hot.

Hi, mom.
2
Hi, guys.
1
The leaves and twigs you've got today might be in it.
2
Wood briquets. We'll take a bath with burning these tonight.
1
Hey, stop it. They'll believe it. We need to dry them for about a year, and then make wood briquets with them, right?
3
So soon?
2
Really?
1
The tree looks great after trimming.
Dad, you lied to me.
Can't you tell?
No!


Hot!
The End