

# NDUCTED BY POLLY EVANS



AVE you boys and girls ever had the fun of making a sand motor?

If not, don't miss it this week. Follow these directions by Tom Tit and you will have a motor to be proud of.

Take four please of word. proud of.

Take four pieces of wood
about ten inches long, two and one-half
inches wide and one-half inch thick.
Use one for the foundation, A-B. Set up
the others, C, D and Dl, and fasten them
to the foundation. Then set up a
shorter piece, Cl, about three and onehalf inches long.

construct a sand wheel by first whittling the axle O, bore a little hole in each end, make the shaft wheel R, with a hole in the centre of it; then, taking a long, thin nail, run it through O and R as an axle Before you do this, however, take visiting cards and with strong glue attach them firmly to O as wings, N, for the sand wheel.

Now you are ready to make the other shaft wheel, and the blocks. P. Pl. attaching them all to the axle, Rl. with a bent place in it, M. This axle can be made

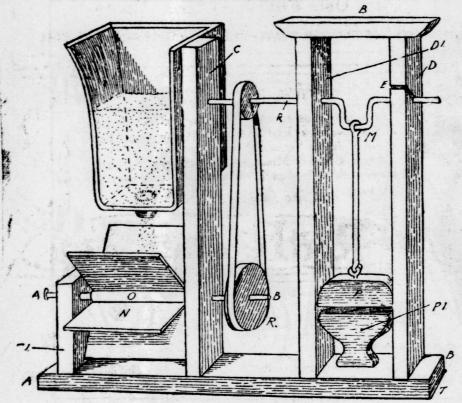
bent place in it, M. This axle can be made of a strong wire hairpin. Another hairpin will provide you with the cable to connect the blocks P. Pl with the axle.

A diagonal cut in the upright beam D will give you a place for putting the axle in place.

Now, slip a strong, flat rubber band over the two axle wheels, and tack an overhead piece on the beams D and Dl, so as to strengthen the framework.

Then tack the sand-box to the beam C. (One side has been left out in the picture so as to show you the interior of it.) Cut a hole in the bottom of it and fit into it a small funnel made of pasteboard.

Fill with sand, and the next thing you know your motor car will be working at a lively rate, and your block P will pound block Pl with merry regularity.



Parts of a Sand Motor

### TROUBLES



OTHER," said the little lad, "Grown-up people look so While I'm always full of joy, Don't you wish you were a boy?

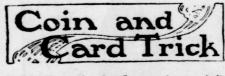
"Father, working every day,"
Does not have much time for play,
Except on holidays, you see,
When he's home and plays with me.

"You have always lets to do-Sewing, writing, baking, too; Many worries fill your head, Even after I'm in bed.

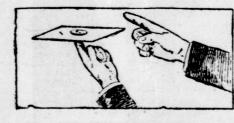
"Do you know, I've got a plan What we'll do when I'm a man? We will keep a lot of cooks, Like they do in story books.

"Then you won't have much to do, And I'll stay all day with you. Guess you'll have to learn to play, Or what could we do all day?

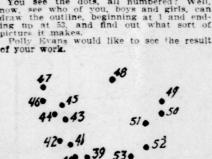
"Now you're always darning socks; You don't care for trains or blocks. No use giving you a toy— Don't you wish you were a boy?" —A. A. V. Thomson.



PLACE on the forefinger of your left hand held upright, a card; on the card place a penny or other large coin. You can remove this card without disturbing the coin. To do this, you must flip the card forcibly with the middle finger of the right hand. The pasteboard will be propelled across the room, and the coin will remain upon the finger.



Picture to Outline. You see the dots, all numbered? Well, now, see who of you, boys and girls, can draw the outline, beginning at 1 and end-ing up at 53, and find out what sort of it makes.



38

34

THE class in bad grammar stood up to recite. Following are the ques-tions asked by the teacher and the answers given by the pupils: Which tense does an army in camp prefer to use?—Perfect tents. Give an example of the imperfect tense.—Pretense. Give another.—Impotence.

Of the future tents.-The expected cir-In the sentence, "The officer who orders the men to storm the breastworks,"
in what mood is "The officer who orders
the men"?—The indicative.
Wrong.—In the imperative mood.

How many parts in the feminine gen-der?-Only one. The part she takes. What pronouns are universal?-Youan'-I-versal.

What pronoun is much smaller in the plural than in the singular number?—I.

Why?—Because big I in the singular is wee in the plural. In declining the possessive pronouns, under what circumstances would "mine" not be declined?—When it was a gold

one.
In the sentence, "I take thee to be my wedded wife," what is thee governed by?—The wedded wife.
In the sentence. "He has married again," how is a gain to be construed?—That this time she is a rich widow.

Don't Destroy Roots. MRS. EDWARD BROWN, of Philadelphia, has written Polly Evans a strong letter asking her to urge all of you boys and girls to be very careful not to destroy the roots of flowers that you gather in the woods.

you gather in the woods.

Polly Evans sympathizes most heartily with all that Mrs. Brown says.

There is no use in pulling up the roots of a plant just for the sake of the flower. And it is too bad—yes, it is cruel—to kill a plant out of sheer care-legences.

lessness. So will you not all band together, boys and girls, and do your best not only to protect the roots of all flowering plants yourselves, but also to persuade all of your friends who may be a little thoughtless into thinking and doing as you do?

#### Wonderful Lay.

T WAS nature lesson in a West Side public school and the subject was birds and their ways. The teacher asked the pupils to name such fowls as they knew that lay eggs. Chickens, ducks, turkeys and others were quickly named. Then a little girl, who for several minutes had been exercly giving eral minutes had been eagerly waving her hand, was called on. She proudly "My father; he lays bricks."

#### For Quick Reading.

Can you repeat the following lines Can you repeat the following lines quickly without stumbling?
The sun shines on the shop signs.
She says she shall sew a sheet.
She sells sea shells.
The sixth sick Sheik's sixth sheep's

#### Meaning of Respect.

Our teacher asked a boy in our class the meaning of respect."
He thought for a while, and then said in a low tone, so that he was asked to repeat his answer: "It's the feeling one person has for another that can lick him."

#### Invitation to Grandma.

A little girl aged 4 went to see her grandmother, who had broken her leg. Thinking people, like dolls, could have their limbs repaired, she said, "Grandmamma, when you get your leg mended, you must come and see us."

#### Kind Tabby.

Tabby was once caught stealing some meat and was punished. Five minutes after she came purring to us and ran away again, but returned and did the same, so we followed her. just in time to see a big, ugly cat stealing the meat. Wasn't that kind of Tabby, after being

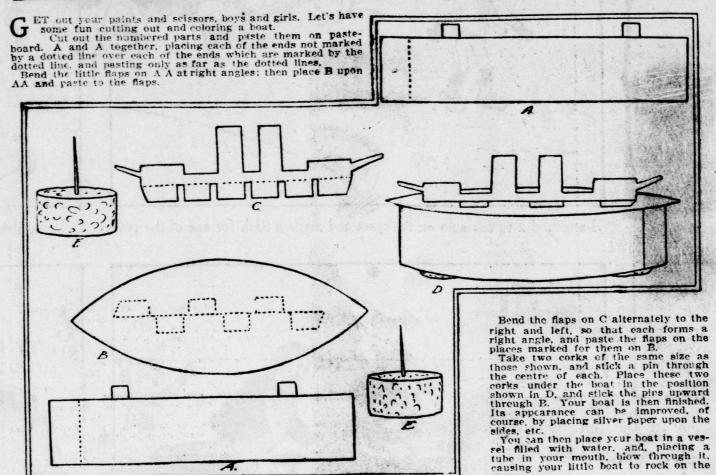
#### A Loving Gift.

A friend in the country had a cat who always brought the small birds and insects he caught to his mistress, showing great pride. One day he laid a fine partridge at her feet, and left it there and would have nothing to do with it. He gave it to her.

### Wagon With Lid?

My little sister was waiting anxiously or her Easter dress to come from one f the department stores, "Mamma," he said, "when will it come?" "To-ay, dearie," said her mother, "Will it ome in a wagon that has a lid on it?"

# Boat To Put Together True Story of a Parrot



## AROUND THE WORLD GAME

THIS is such a jolly good game that it is worth your making special preparations fer. preparations fer.

Suppose you hang on the walls a profuse number of railway maps, tourists guides, etc., which can easily be got from railway and tourist offices.

You know what a parlor car looks like. Well, suppose you arrange the chairs in the room to look as much like those in a parlor car as possible.

The hostess should dress like an official guide or gatekeeper with cap and brass buttons. As each guest appears she should give him a ticket with this inscription printed or written on it, or better yet, painted prettily, so that it will do for a souvenir:

From Jollyville to Most Any Place. Good for Continuous Trip Only. (Write the date of your party.)

At the next door should stand an official to punch the tickets and hand each guest a travelers: guide. You should have made these guides yourself previous to the party. Use several sheets of white paper, each provided with numbered lines, bound with pretty water-color paper on which you paste or paint a picture of a tourist (easily found in any magazine advertising page) and the title, "Travelers' Guide."

Match Puzzle.

Can any of you boys and girls tell Polly

Evans how the position of seven of these eleven matches can be altered so as to make a pile?

LOUIS RARING,

Riddle.

What is the difference between a hungry boy and a greedy boy?

Can You Read Polly Evans' Mind?

Polly Evans has thought of eight words. Here they are, with several letters omitted. Now, can you read Polly Evans' mind and

Incomplete Sentences.

5. C\*MP\*\*HE\*\*\*VE. 6. R\*P\*\*T. 7. O\*\*O\*\*UN\*\*Y. 8. I\*NT\*R\*\*D.

When all your traveler guests are seated in the parlor car. call "all aboard," pull a tiny rope and make a bell ring-which means that the train has started. Then let some one, imitating a vender, carry a trayful of candy, peanuts, mag-azines, etc., up and down the car, mak-ing as much of a nuisance of himself

the passengers as pessible, the more

the funnier.

Presently the train stops and the con-Presently the train stors and the conductor should call out the place in the language of the country where you are now supposed to be. If in France, for instance, call out: "Paris! Descendez, messieurs les voyageurs."

At that all your passengers should arise, walk around the room and examine the numbered articles you have arise, walk around the room and examine the numbered articles you have placed here and there. When they come to No. 1 they must guess what geographical place it stands for and write their guess down on the line. their guess down on the line marked No. 1 in their guides.

After the guests have guessed for After the guests have guessed for about ten minutes, make a "choo-choo-choo" sound, call "All aboard!" and start off for another trip, landing presently in another country. Then all off for another ten minutes of guessing.

Here are suggestions for your puzzle articles:

N Pocket Money Day, Pocket Money Day,

All the dollies go for goodies, just across the way;

On Pocket Money, Pocket Money, Pocket Money Day.

Mr. Goody gives them heaps, for just a little pay,

5. No matter how — I am, I will when you send for me.
Rulyxu, one rum, lewl, roletub, yubs.

What Birds?

Here are three more pictures of birds or you to complete. Then, can you tell colly Evans what kind of birds they

A cigar (for Havana). A cigar (for Havana).
A cup and saucer (for China).
Manila paper (for Manila).
Box of cold cream (for Greece).
A new Noah's Ark (for Newark).
A bit of Castile soap (for Castile).
A cork (for the city of that name).
A Leghorn straw hat (Leghorn).

A bit of coral (Naples).

The Red Sea (a red letter C).

A picture of a man on a bicycle (Wheeling).

A bottle of cologne (to suggest that An alphabet eard of capital letters (to An alphabet card of capital letters (to represent all the capitals).

A bit of Dresden, of Delft and of Sevres china (to recall the three places of their manufacture.)

A bit of the linen called "brown hoiland" (to suggest that country).

An orange (for Florida). Brazil-nuts (for Brazil). Macaroni (for Italy). And a philopena ought to do very well for the Philippines.

After the guessing is over gather up all the travelers' guides and invite your guests to the refreshment counter, which should look as nearly like a railway lunch counter as possible. Sandwiches, fruit, cake, etc., should be served by a couple of girls appropriately dressed.

Answers to Last Week's

1. One (p).
2. It burns no longer.

Jumbled Proverb.

"Never scald your lips in other folks' broth."

Transposition Puzzle.

Riddles.

Similes in Rhyme.

Similes in Rhyme.

As wet as a fish—as dry as a bone.
As live as a bird—as dead as a stone.
As plump as a partridge—as poor as a rat.
As strong as a horse—as weak as a cat.
As strong as a horse—as weak as a cat.
As hard as flint—as soft as a mole.
As white as a lily—as black as coal.
As plain as a pikestaff—as rough as a bear.
As tight as a drum—as free as the air.
As heavy as lead—as light as a feather.
As heavy as lead—as light as a feather.
As hot as an oven—as cold as a frog.
As gay as a lark—as sick as a dog.
As slow as a tortoise—as swift as the wind.
As true as gospel—as false as mankind.
As savage as tigers—as mild as a dove.
As blind as a bat—as deaf as a post.
As cool as a cucumber—as warm as toast.

Domino Puzzle.

By gently pushing the domino marked "A." you can cause all the lower tier of dominoes to move to the right just enough to cause five equal-sized rec-

tangular vacant places to appear.

Poughkeepsie, N. Y.
Omaha, Neb.
Louisville, Ky.
Los Angeles, Cal.
Yorktown, Va.

Louisville, Ky.
Los Angeles, Cal.
Yorktown, Pa.

Puzzles and Problems

meals, and no one can confuse him. For instance, sometimes his mistress will say at breakfast time, "Does Charlie want his dinner?" and he answers, "Charlie wants his breakfast," or, perhaps, at supper time, she asks him, "Does Charlie want his breakfast?" and he replies, "Charlie wants his supper."

When visitors call he always greets them with "How-dy-do?" and when they leave says "Good-bye"—but when his mistress leaves, it is "Good-bye, dear."

His fond mistress has been in the mistress leaves, it is "Good-bye, dear."

His fond mistress has been in the habit of letting him out of his cage every day for a change, and very oftengoes all over the house with him perched on her shoulder. At such times he frequently says to her, "Come, kiss me; don't you want to?" or will vary it by saying, "Don't you want to kiss me, dear?" and then, if she turns her head, he will put his bill to her lips.

This is a mark of affection never bestowed upon any one else. In fact, some

stowed upon any one else. In fact, some members of the family he dislikes very much, and when they come near his cage and tease him—as they semetimes do—he screams and ruffles up his feathers and jumps around in the most angry manner.
Charlie is a very vain bird, but a very

HARLIE is a large green parrot, with a red head, green and yellow wings and a white ruff around his neck.

He came from South

charlie is a very vain bird, but a very clean one, and enjoys his bath nearly every morning, after which he spends much time preening his feathers, and when he is dry and every feather in place, he will say in the most complacent tone, "Charlie's a pretty boy; pretty, pretty, Charlie, mama's pretty child." Once when his mistress was moving his cage was put in a dark room, from which everything had been removed. Charlie evidently did not appreciate this kind of treatment, for when in the even-

ing she came in to see how he was getting along, he said in the most disgusted manner, "What's the matter?"

When the stork brought a little baby girl to the home of his mistress, not long ago, Charlis at once became very jealous. Whenever he catches a glimpse of this wee baby or hears her crying he ruffles up his feathers and gives vent to the most angry and disagreeable shrieks.

But one day he further showed his He came from South America, and is now about 28 years old. His home is in Baltimore, where he is a great pet in the family in which he lives.

Charlle is a very bright bird, and has a wonderful command of English for a parrot, and can also speak Spanish, in which language he is pollite enough to give vent to his bad temper, which he displays more frequently than he did when he was younger.

Charlie loves his mistress dearly. In

But one day he further showed his jealousy by doing something he had never done before, and which sealed his doom, for then his mistress decided to part with him. When she was car-



rying him around the house as usual on her shoulder the baby happened to cry, and it enraged him so much that he walked down her arm and deliberately took a nip out of the back of her hand. The pain was so great that in throwing out her arm with great force she caused Charlie to land under a bed, where for some time he remained sulking and saying, "Poor Charlie, poor boy."

hoy."
After this display of bad temper he was put back in his cage, and there Charlie will likely be kept until his mistress decides upon a new home for him. This will probably be in a country house where there are no babies or other pets to excite his jealousy.

JESSIE BOWLES FISHER.

krow how it is that I nearly always

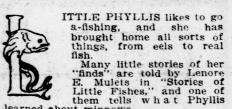
catch mingows. They are only good for

"Oh, no!" said mamma. "They are good to eat, except that they are so little and so full of bones that it hardly

When caught it makes a great fight for so small a creature. It is probably a hornyhead which you caught."
"The minnows have beautiful colors," said Phyllis. "I caught one a few days

### WHAT PHYLIS LEARNED ABOUT MINNOWS

bait.



them tells what Phyllis learned about minnows.

Phyllis and her mother were left alone at their summer cottage one day. Her father and brother Jack took the boat

seems worth while.

"There are more than a thousand varieties of minnows. They are never large fish. In the Eastern States we scarcely ever find one more than a foot in length, and more often they are only a few inches. in length, and more often they are only a few inches.

"The hornyhead is a sort of minnow which is common in almost all of our smail streams. Every boy or girl who goes 'a-fishing' knows this fish; although he may not know its name. It is very active, and is most easily caught with a hook baited with an angleworm.

When except it makes a great fight for at sunrise and went across to the other end of the lake to fish.

As they expected to sit out in the boat all day, mamma thought Phyllis would do better to stay with her.

Phyllis was quite disappointed at first; for with her father and Jack as teachers, she was becoming quite a little fisherwoman. She had learned to bait her hooks and take the fishes off as well as Jack

as Jack. When she ran down to the lake shore, there on a great rock where loved to sit, a can of bait her line and "He's the nicest brother I ever had," said Phyllis, laugh-ing. "You sit here beside me. mother, and I'll show you what I can catch. Perhaps it will be a whale, you'll have to run, or it will to run, or it will

spout water all over spout water all over you, you know."
So mamma sat down on the rock beside Phyllis, and all was quiet for a while. Then the float began to bob up and down quite alarmingly.
"Sh-h!" said Phyllis: "you must keep! lis; "you must keep still or you'll scare

them away!"

Another bobbing of the float, and
Phyllis gave a jerk which threw the fish straight against mamma's face.
"Oh. I beg your pardon, mamma,"
cried Phyllis. "Is it a whale?" mamma asked, as she wiped the water away.
"Well, really—" began Phyllis, and then
she began to laugh, for the fish she had

ago, and its back was bluish green and its sides a bright green, with glints of gold where the light struck it. Underneath it was pale, but not exactly silvery. Its fins were a pale red yellow."

"That was a hornyhead," said mamma. "In the spring the males have great of crimson on each side of their mamma. "In the spring the males have a spot of crimson on each side of their heads and a rosy tinge on the under part of the body."
"Well," said Phyllis, as she cast in her hook for another bite, "I think more of minnows than I did."

# caught was not more than three inches long, "it is hardly a whale. I do not

United States Consul Atwell writes from

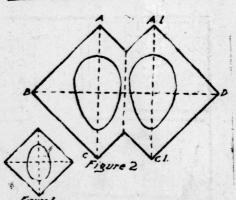
"Justin Muller read a paper recently before the Industrial Society of Muihouse on certain printed goods, the warp of which is composed of cotton, and the woof of a thread made from wood pulp. These goods were introduced almost four years ago. At the outset sheets of wood pulp paper were cut into finest shreds and twisted into thread by machines made for the purpose. Lately the paper process has been abandoned, and the wood pulp is passed directly over grooved metal sheets, forming very thin ribbons, which pass in turn over a machine that twists them

"These threads of wood fibre are known as xyloline, silvaline and licella, and are numbered like any others. The dynamometric resistance of this thread in a dry state, taking 100 as the resistance of jute threads, is equal to about 55; that of cotton thread in a dry state is 135. The difference is widely in favor of jute and cotton; but it is thought that improvements may increase the resistance of the wood pulp thread. As it is to be used only in mixed goods great resistance is not of es-

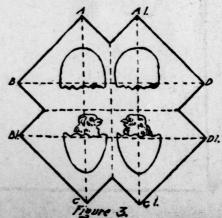
sential importance. "Dishcloths are made of this thread in

# [Surprise Cut Out]

may be used advantageously in the manufacture of passementerie, and that it may replace jute and cotton in the composition of many articles."



Here is a jolly cut-out stunt. When you have learned to do it quickly and well, i will be a nice kind of surprise for you to spring on your friends. It is all in the folding. Follow the pictures and you can do it.



### Cloth Made From Wood

Roubaix, France, to the State Department:

into a regular thread of any desired

connection with homp and the mixture is washed, dyed and printed. While wet the wood pulp softens; but recovers its resistance in drying. There are already manufactories for the production of wood fibre thread in Germany, Spain and Netherlands, and France will shortly have a factory. It is thought that this thread