

#### MAROONED

OSEN rye is Michigan's great crop find. The first seed was sent over from Russia in 1909 by Joseph A. Rosen, a Russian who had been taking work under Frank Spragg, professor of plant breeding at Michigan State.

The seed that he sent Professor Spragg was 2,000 kernels of an unknown rye raised around, Riga, Russia. The kernels were long, plump and bluish-green in color. There were just enough to plant a plat the size of a horse blanket.

Spragg multiplied it for two years, It proved to fill long heads right out to the end, and to have a wonderful short, stiff straw. He put out some seed to farmers in 1911.

In the next eight years the seed spread to nearly a million acres in Michigan. It commonly doubled the yield and quality of native ryes. In some counties it replaced wheat as a regular winter crop. But then this new Fariety began to mix badly, and it couldn't stand mixing. The moment that foreign pollen intruded, the variety began to lose all its characteristics; it "went to pieces" fast.

In 1917, when the state crop improvement association took hold of the situation, its inspectors found only 5 per cent of the Rosen up for seed fit to certify. And much of the ninety-five per cent that didn't pass was being shipped all over the country to disappoint people.

Joseph Cox was head of the farm crops department in the college of agriculture at the time. He set out to find some place where it would be possible to grow absolutely pure Rosen. the farms there to act as parent farm

year after year, to the seed farms on

We came that evening to Sleeping Bear point, the third tip of Michigan's lower peninsula, and camped there for the night. A boat leaves that harbor for South Manitou island three times a week, weather permitting. Natives of the point told us that it sure was an end of nowhere, this island we were headed for.

Three miles one way, they said, four the other. About eighty people on it. Seven cars. No good roads. No one of those cars on the island had ever been more than four miles from its home garage. You couldn't get a car over to the mainland and be at all sure of getting it back. Lake Michigan steps too high in a hurry to allow its further islanders any such running around as that.

Some of those cars on South Manitou, said the Point people, had probably never run more than 20 miles an hour since the day they were bought. But a boy we talked with contradicted this. He said there was a lake at the center of the island, a big lake, a mile long. And when that lake froze over in winter, the island boys sneaked the family cars down there and opened them up.

Next morning the thirty-foot mail launch Lenor put into Sleeping Bear cove, and we crossed to South Manitou. Landing, we went to a life-saving station, manned by a dozen coast guardsmen with the record of four big wrecks marked up on their boathouse walls. One of the coast guardsmen consented to drive us back to the Hutzler place, at the center of the island. The road was two deep tracks through sand, with strips of logs-corduroyhere and there. Forest pressed closely upon both sides-pine, well-grown maple, beech, birch, ash, above thick underbrush. "It's lonesome as all hell,

### THE NEWS, FREDERICKSBURG, IOWA.

plenty other good places to live. Anybody who wants 'em can have 'em. You couldn't pay me to live anywhere else. I am used to the lake. I'd miss it."

Back at the house the Hutglers got out their car-four years old, without a scratch-and ran us down to the boat. I rode up front with Louie. He told me that all the men his age had left the island, "They go into the Coast Guard or something. I used to think that was what I'd do. But, being alone like he is, my father sort of needs me here. I did go once. One winter I went to Chicago and tried to learn something in an automobile school. But my stomach went back on me. I couldn't eat. I felt more lonesome there in the city than I do here. "This seed business has made a big

difference. It used to be when it came fall and the work was over, you didn't have anything to do but hunt. But now we'll be busy right up to Christmas, nearly, picking out the peck of seed we show at Chicago.

"It's a lot of work. We run ten bushels of our best over our screen and then take needles and go over it grain by grain. Father picks for size, and I watch the color. It's hard on the eyes, Two or three hours of it at a time is all you want. But when the cup comes in, you're glad you did it. You feel like you amount to something.

"I don't know. We got a better business here now than I guess we could get anywhere else. But we're too far off from schools and like that. If I was ever to get married and, you know, have children. I'd like for them to be able to get to a high school. And I don't believe very many other people'll come here; I mean to stay.

"I tell him"—Louis lowered his voice a little and gestured with his head backwards toward his father—"maybe we ought to go over and farm on the mainland. But you heard him. He says he couldn't live anywhere else. And as long as he stays here, I'll stay; that part's sure."

We paid our taxi and unloaded. George Hutzler came out of the cottage, and approached. He was a spare, sinewy German of about fifty, with a drooping mustache, and a pensive way of looking at where you were standing just as if you weren't there.

"If it's rye you want to see, we got it. Out back," he said.

He turned and started walking with long strides. We trailed him. We saw the rye and took photographs. The professor examined the work carefully and found it good. He expressed himself as amazed and gratified at the success of the Hutzlers with some experimental hand-crosses, and at the precision of their records as to every plant in their big head-row Rosen rye breeding plat. "We try to farm right," said George Hutzler. From then on, things began to go better. He went on:

"Some others here on the island have done all right too. My brotherin-law, Irvin Beck, beat us for International sweepstakes one year. And Mrs. Johnson, down by the shore, grows the best red kidney seed beans in the state. There is some talk now about our all taking a new sweet clover the college has, and keeping it pure. We have to do things all together at the same time. We all let our cattle run in the woods and then have a round-up, with rifles. It costs too much money to charter a boat by yourself."

Back at the cottage-as clean as the cabin of a yacht, with three guns over the kitchen door and the frame of a sewing machine, no longer used, displaying "box social" boxes in the parlor-we saw Louis' typewriter, the only one on the Island. He uses it to acknowledge seed orders, and so on "We got a regular business going here now," said his father. "How you like these cakes? Lucky you didn't come last week or you'd got some of Lonie's. One of us tends the horses; the other fellow takes the house that week. Two hours a day is plenty for housekeeping-meals, dishes, scrubbing and all . . . Loule, get the gentleman some more cakes and fill them glasses up again."

# World Population Put at Around 2,000,000,000

How earth?

In our own country as well as the leading ones periodical censuses are taken which give the exact figures every so often and by comparing these with previous ones it is easy for the mathematical sharps to figure out really reliable estimates of the population in between times.

But among the uncivilized tribes in various parts of the world no count is possible, and for the black races of Africa and some of the yellow ones of China and Central Asia relatively little information is available. Nevertheless, after gathering together all information possible the statistical institute of the League of Nations in 1930 estimated the world population at approximately 2,000,-000,000 human beings, and that is the generally accepted figure for the world at large.

It is recognized that the world population is steadily increasing but in the absence of actual figures few are brave enough to hazard a guess as to the rate. Prof. E. M. East of Harvard university, however, has ventured to estimate the annual increase at a little more than 18,000,-000 or about 50,000 a day.

Concerning this subject Prof. A. N. Carr-Saunders of Liverpool university, England, a recognized world authority on the subject, issued an estimate last year for use by the Encyclopedia Britannica in which he declared the world now inhabited by more than 2,025,000,000 persons and furthermore, they are steadily increasing at the rate of 20,000,000 per year.

He credits Asia, the largest continent, with the greatest number of people — some 1,071,000,000 (not counting Russla)-or a little more than half the world population. Europe, which ranks fifth in the size of continents, is given second place as to population with a total of 382,-000,000 (excluding Russia). Russia alone is granted about 164,000,000 while all of Africa, white and black, has but 143,000,000 and North America around 135,000,000, of which about 127,000,000 are United Statesians. He credits South America with \$5,000,000; Central America 35,-000,000 and Australia and Oceania

many people inhabit the | with a combined 10,000,000 to make up his estimated total.

One finding is particularly surprising to most in view of the fact that Germany, Italy and a few other countries offer substantial endowments for newly married couples and a bonus for each child born. This is that the population in Russia seems to be increasing faster than anywhere else on earth-the increase

being estimated at about 4,000,000 a year, or 2 per cent. One per cent annual increase is considered the average, and even the Japs, regarded heretofore as the most rapidly increasing race, increase but little faster than the normal rate .-- Pathfinder Magazine.

## Vessels Put Together

Like Children's Blocks In more than 10,000 separate parts and packed in crates, an admiralty designed river gunboat was recently shipped from Southampton to Shanghai in a liner.

Originally the vessel was complet ed at a Southampton shipyard, the work of building taking eight months. It was then dismantled and the vari ous parts were made into 260 packages, the largest of which was over 20 feet long and weighed about three

tons. It is expected that the vessel will be completely assembled three months from the date of the delivery at Shanghai,

Vessels are occasionally shipped overseas in parts because it is not always expedient to send them long distances under their own power. Not long ago a twin-screw passen-

ger steamer constructed in England was shipped in pieces to Lake Albert Nyanza, Africa. It had a dead weight tonnage of 280 .- London Answers.



# you grow ONLY what you plant

ALL the sunshine, good soil, fertilizer and cultivation in the world won't help poor seeds produce big, tender, flavorsome vegetables. The quality must be in the seed. And that quality must be inherited from generations of parent plants and seeds of the same quality. Ferry's Vegetable Seeds are purebred. They reproduce what their parents and great great grandparents so lavishly bequeathed them.

YOUR NEIGHEORHOOD STORE SELLS THEM IN FRESH DATED PACKETS FOR ONLY



Burns turns over a New Leaf !· WHAT DOES HELLO, MR. BURNS! TELL HIM TO BEAT WELL-GUESS HE CARE HOW WONDER IF YOU'D RIGHT AWAY IT! HE'S'ONE OF OK. WITH ME! I'LL HAVE TO HARD YOU EH?"THAT'S SHARPEN THESE Those Big-Hearted, TAKE 'EM I'M TIRED OF. WORK .. AS LONG PLOWSHARES FOR ALL THEAR! GUYS THAT WANT **BEING'IMPOSED** AS HE CAN DO SOMEWHERE ME RIGHT AWAY? RUSH! RUSH! YOU TO KILL ON, ANYWAY! ELSE ! THE HEAVY YOURSELF FOR LOOKING ON?

the mainland.

Ten miles out in Lake Michigan, off Sleeping Bear point, he found an island of woodsmen—a self-contained and self-sustaining agricultural society, or very nearly so. The parleys that preceded action were long and involved. but one family, the Hutzlers, at last announced faith in science and took the lead. The next year-after they had harvested twenty bushels to the acre as compared with nine and eleven bushels of the native ryes-they invited the six other farmers into a compact to drown anybody who raised any rye but Rosen on the island's seven farms.

Five years later it was plain that the Hutzlers and the other islanders were not only capable of maintaining but of breeding and improving Rosen. So the crop association passed a ruling that all Rosen sown for certified seed on the mainland thereafter must be Do more than two generations removed from head-selected Island Rosen rye.

"Not the least interesting result of the whole venture." said the professor who told me all this, "is the readiness with which these islanders-none of them, I suppose, men of much education, have learned the technique of seed farming. So, at least, I hear. But I have never been, myself, to the island. I should like to go there and see what those islanders have done with their seed breeding. And you, I take it, would like to see what seed breeding has done to the islanders. Suppose we go."

From Lansing, the seat of the Michigan State university, we drove something over 250 miles northwest, straight up across the cut-over country, first on phorete, then on gravel, then on sandtracks winding arbitrarily three ways at once around tree stumps and conquering armies of sand pine, "This is the heart of the Paul Bunyan country," said the professor, and recounted legends. Our scientific photographer, joiting around in the back seat among his opparatus, grunted somberly. Not for him was the charm of the Bunyan saga or the high arched windswept heaving of that day "he roads grew worse and worse and the way was long, yet it was for some reason one of those days that you remember long afterwards with a sense of peace.

back here from the water," the coast guardsman said.

He told us how the island came to be settled by its present inhabitants. "When coal-burners come in. it left some people stranded here. My father was one of them. He came to this country from the Old Country on a sailing boat. It took him six weeks. He shipped as a sallor on the lakes In the winters he lived at Buffalo. He got married to my mother there.

"All the big lake boats burned wood then. They would put in here at this island for wood or when there was a big blow. It was livelier here then, I have seen thirty, maybe forty, woodburners and schooners, all lit up at night, down by the point. And we had big lumber camps here then, sawing wood for the boats to burn.

"My father thought maybe lumbering like this would pay him more than being a sailor. He quit the lakes and made a big enough space here to build a cabin on. There where the barn is now. I was born there in 1873

"But then all the boats began to burn coal. They didn't come any more to our island. We had to clear more land and farm it so as to eat. We cleared those twenty acres, the two of us, before he died. I must have been about Louie's age then.

"We were just coing along any way at general farming when Professor Cox come in with this rye. It's been a good thing for us. We got an order for seed the other day from South Africa. We get 'em from California all the time.

Lonie and I are going to Chicago and see our rye win this December. This year we are going even if we have to go over two weeks ahead of time to the train. The first year we showed, I went by myself. The lake got kicking. I had to wait nine days over on the mainland before I could get back."

We were making our way up the dune sidewise, through thickets stunned and windbeaten. Suddenly we came out upon the open summit. "Now, look" be said. The whole shining island with its white encircling beaches, and the endless living blue of Lake Michigan, was at our feet.

"Perfectly magnificent." exclaimed the professor.

Said George Hutsler : "I guess there's

It was a smooth cider, in no way violent. It made you feel comfortable and easy to get along with. Even our photographer began to show some expression around the eyes.

George Hutzler said: "I'm just a backwoodsman. All this dressing up and showing off, I don't want it. You fellows come back some time when there's hunting, and stay a week, maybe? It's hot in here. Let's go outside. Loule, bring out another pitcher of that cider, and some more cakes, and show the gentlemen our cup."

Their cup stood all of two feet high from base to brim. The inscription declared the holder to be winner of sweepstakes in the years named for all classes of seed rye exhibited at the International Hay and Grain show, Chicago, "Our name is on the back," says George Hutzler, "three times,"

"See?" said Louie, showing us, "George & Louis Hutzler, South Manitou Island, Mich.' Three years out of the past five. If we win it again this fall, it's ours to keep."

"If you don't mind." said the professor, "a half-glass for me, this time,"

"We don't pour half-glasses on this island." said the elder Hutzler "Fill em up, Louie. Fill 'em up'

After a while, Louie said, "Ton oughtn't leave without going up Sand mountain." "That's right," agreed his father, "I took a judge from Chicago up there once. He just stood and looked for twenty minutes. He couldn't sav a word."

We got to our feet and started blking up a sloping trail toward a tall have sand dune, perhaps a mile away. The beaches along the trail were a bright green and silver. The sun struck down through them with splotches of gold. "I like this trail," said George Hutzler. "I come up here right often in the summer time."



w 31, 1915

#### MAROONED

ROSEN rye is Michigan's great crop find. The first seed was sent over from Russia in 1909 by Joseph A. Rosen, a Russian who had been taking work under Frank A. Spragg, professor of plant breeding at Michigan State.

The seed that he sent professor Spragg was 2,000 kernels of an unknown rye raised around Riga, Russia. The kernels were long, plump and bluish-green in color. There were just enough to plant a plat the size of a horse blanket.

Spragg multiplied It for two years. It proved to fill long heads right out to the end, and to have a wonderful short, stiff straw. He put out some seed to farmers In 1911.

In the next eight years the seed spread to nearly a million acres in Michigan. It commonly doubled the yield and quality of native ryes. In some counties It replaced wheat as a regular winter crop. But then this new variety began to mix badly, and it couldn't stand mixing. The moment that foreign pollen intruded, the variety began to lose all its characteristics; it "went to pieces" fast.

In 1917, when the state crop improvement association took hold of the situation, its inspectors found only 5 per cent of the Rosen up for seeds fit. to certify. And much of the 95 per cent that didn't pass was being shipped all over the country to disappoint people.

Joseph Cox was head of the farm crops department in the college of agriculture at the time. He set out to find some place where it would be possible to grow absolutely pure Rosen, the farms there to act as parent farm year after year, to the seed farms on the mainland.

Ten miles out in Lake Michigan, off Sleeping Rear point, he found an island of woodsmen—a self-contained and selfsustaining agricultural society, or very nearly so. The parleys that preceded action were long and involved, but one family. the Hutzlers. at last announced faith in science and took the lead. The next year—after they had harvested twenty bushels to the acre as compared with nine and eleven bushels of the native rye—they invited the six other farmers into a compact to drown anybody who raised any rye but Rosen on the island's seven farms.

Five years later it was plain that the Hutzlers and the other islanders were not only capable of maintaining but of breeding and improving Rosen. So the crop association passed a ruling that all Rosen thereafter must be no more than two generations removed from head-selected island Rosen rye.

"Not the least interesting result of the whole venture," said the professor who told me all this, "is the readiness with which these islanders—none of them, I suppose, men of much education, have learned the technique of seed farming. So, at least, I hear. But I have never been, myself, to the island. I should like to go there and see what these islanders have done with their seed breeding. And you, I take it, would like to see what seed breeding has done to the islanders. Suppose we go."

From Lansing, the seat of the Michigan State University, we drove something over 230 miles northwest, straight up across the cut-over country, first on concrete, then on gravel, then on sand-tracks winding arbitrarily three ways at once around tree stumps and conquering armies of sand pine. "This is the heart of the Paul Banyan country," said the professor, and recounted legends. Our scientific photographer, jolting around in the back- seat among his apparatus, grunted somberly. Not for him was the charm of the Bunyan saga or the high arched windswept beauty of that day. The roads grew worse and worse, and the way was long, yet It was for some reason one of those days that you remember long afterwards with a sense of peace.

We came that evening to Sleeping Bear point, the third tip of Michigan's lower peninsula, and camped there for the night. A boat leaves that harbor for South Manitou island three times a week, weather permitting. Natives of the point told us that it sure was an end of nowhere, this island we were headed for.

Three miles one way, they said, four the other. About eighty people on it. Seven Cars. No good roads. No one of those cars on the island had ever been more than four miles from its home garage. You couldn't get a car over to the mainland and be at all sure of getting it back. Lake Michigan seeps too high in a hurry to allow its further islanders any such running around as that.

Some of those cars on South Manitou, said the Point people, had probably never ran more than 20 miles an hour since the day they were bought. But a boy we talked with contradicted this. He said there was a lake at the center of the island, a big lake, a mile long. And when that lake froze over in winter, the island boys sneaked the family cars down there and opened them up.

Next morning the thirty-foot mail launch Lenor put Into Sleeping Bear cove, and we crossed to South Manitou. Landing, we went to a life-saving station manned by a dozen coast guardsmen with the record of four big wrecks marked up on their boathouse walls. One of the coast guardsmen consented to drive us back to the Hutzler place at the center of the island. The road was two deep tracks through sand, with strips of long – corduroy – her and there. Forest pressed closely upon both sides – pine, well-grown maple, beech, birch, ash, above thick underbrush. "It's lonesome as all hell, back here from the water." the coast guardsman said.

He told us how the island came to be settled by its present inhabitants. "When coal-burners came in. It left some people stranded here. My father was one of them. He came to this country from the Old Country on a sailing boat. It took him six weeks. He shipped as a sailor on the lakes. In the winter he lived at Buffalo. He got married to my mother there.

"All the big lake boats burned wood then. They would put in here at this island for wood or when there was a big blow. It was livelier here then. I have seen thirty, maybe forty, wood-burners and schooners, all lit up at night, down by the point. And we had big lumber camps here then, sawing wood for the boats to burn.

"My father thought maybe lumbering like this would pay him more than being a sailor. He quit the lakes and made a big enough space here to build a cabin on. There where the barn is now. I was born there in 1873.

"But then all the boats began to burn coal. They didn't come any more to our island. We had to clear more land and farm it so as to eat. We cleared those twenty acres, the two of us, before he died. I must have been about Louie's age then.

"We were just going along any way at general farming when Professor Cox come in with this rye. It's been a good thing for ns. We got an order for seed the other day from South Africa. We get 'em from California all the time.

"Louie and I are going to Chicago and see our rye win this December. This year we are going even if we have to go over two weeks ahead of time to the train. The first year we showed I went by myself. The lake got kicking. I had to wait nine days over on the mainland before I could get hack."

We were making our way up the dune sidewlse, through thickets stunned and windbeaten. Suddenly we came out upon the open summit. "Now. look!" he said. The whole shining Island with Its white encircling beaches, and the endless living blue of Lake Michigan, was at our feet.

"Perfectly magnificent!" exclaimed the professor.

Said George Hutzler: "I guess there's plenty other good places to live. Anybody who wants 'em can have 'em. You couldn't pay me to live anywhere else. I am used to the lake. I'd miss it."

Back at the house the Hutzlers got out their car—four years old, without a scratch—and ran as down to the boat. I rode up front with Louie. He told me that all the men his age had left the Island. "They go into the Coast Guard or something. I used to think that was what I'd do. But, being alone like he is, my father sort of needs me here. I did go once. One winter I went to Chicago and tried to learn something in an automobile school But my stomach went back on me. I couldn't eat. I felt more lonesome there in the city than 1 do here. "This seed business has made a big difference. It used to be when it came fall and the work was over, you didn't have anything to do but hunt. But now we'll be busy right up to Christmas, nearly, picking out the peck of seed we show at Chicago.

"It's a lot of work. We run ten bushels of our best over our screen and then take needles and go over it grain by grain. Father picks for size, and I watch the color. It's hard on the eyes. Two or three hours of it at a time is all you want. But when the cup comes in, you're glad you did it. You feel like you amount to something.

"I don't know. We got a better business here now than I guess we could get anywhere else. But we're too far off from schools and like that. If I was ever to get married and, you know, have children, I'd like for them to be able to get to a high school. And I don't believe very many other people'll come here; I mean to stay.

"1 tell him"—Louis lowered his voice a little and gestured with his head backwards toward his father —"maybe we ought to go over and farm on the mainland. But you heard him. He says he couldn't live anywhere else. And as long as he stays here, I'll stay; that part's sure."

We paid our taxi and unloaded. George Hutzler came out of the cottage, and approached. He was a spare, sinewy German of about fifty, with a drooping mustache, and a pensive way of looking at where you were standing Just as if you weren't there.

"If it's rye you want to see, we've got it. Out back," he said.

He turned and started walking with long strides. We trailed him. We saw the rye and took photographs. The professor examined the work carefully and found it good. He expressed himself as amazed and gratified at the success of the Hutzlers with some experimental hand-crosses, and at the precision of their record as to every plant in their big head-row Rosen rye breeding plat. "We try to farm right," said George Hutzler. From then on, things began to go better. He went on:

"Some others here on the island have done all right too. My brother-in-law. Irvin Beck, beat us for International sweepstakes one year. And Mrs. Johnson, down by the shore, grows the best red kidney seed beans in the state. There is some talk now about our all taking a new sweet clover the college has, and keeping it pure. We have to do things all together at the same time. We all let our cattle run in the woods and then have a roundup, with rifles. It costs too much money to charter a boat by yourself."

Back at the cottage—as clean as the cabin of a yacht, with three guns over the kitchen door and the frame of a sewing machine, no longer used, displaying "box social" boxes in the parlor—we saw Louis' typewriter, the only one on the island. He uses It to acknowledge seed orders, and so on. "We got a regular business going here now." said his father. "How you like these cakes? Lucky you didn't come last week or you'd got some of Louie's. One of us tends the horse's; the other fellow takes the house that week. Two hours a day is plenty for housekeeping—meals, dishes, scrubbing and all. . . . Louie, get the gentlemen some more cakes and fill them glasses up again."

It was a smooth cider, in no way violent. It made you feel comfortable and easy to get along with. Even our photographer began to show some expression around the eyes.

George Hutzler said: "I'm just a backwoodsman. All this dressing up and showing off. I don't want it. You fellows come back some time when there's hunting, and stay a week, maybe? It's hot in here. Let's go outside. Louie, bring out another pitcher of that cider, and some more cakes, and show the gentlemen our cup."

Their cup stood all of two feet high from base to brim. The Inscription declared the holder to be winner of sweepstakes in the years named for all classes of seed rye exhibited at the International Hay and Grain show. Chicago. "Our name is on the back," says George Hutzler. "three times."

"See?" said Louie, showing us. "'George & Louis Hutzler, South Maniton Island, Mich.' Three years out of the past five. If we win it again this fall, it's ours to keep."

"If you don't mind." said the professor, "a half-glass for me, this time."

"We don't pour half-glasses on this Island," said the elder Hutzler. "Fill 'em up, Louie. Fill 'em up!"

After a while, Louie said. "You oughtn't leave without going up Sand mountain." 'That's right," agreed his father. "I took a judge from Chicago up there once. He just stood and looked for twenty minutes. He couldn't say a word."

We got to our feet and started hiking up a sloping trail toward a tall bare sand dune, perhaps a mile away. The beaches along the trail were a bright green and silver. The sun struck down through them with splotches of gold. "I like this trail," said George Hutzler. "I come up here right often In the summer time."