

# Blind Man Is Good Machinist

Operates Lathes, Drill Presses, Grinders and Other Machines in Machine Shop.

## TAKING UNIVERSITY COURSE

Foreman in Shop Says He is as Good as the Best and Better Than Many—Reads Micrometer Readily.

Ann Arbor, Mich.—Blind Gerold Ensing of Grand Rapids is working in the engineering shops of the University of Michigan, and daily operates lathes, drill presses, grinders, shapers and planers, and according to the shop foreman, E. M. Sweet, he is doing it as well as the best, and better than most of the other students in the shop.

Ensing has been blind since he was eight years old. He is studying in the university on a Red Cross scholarship for the blind, given by the Detroit chapter of the national organization. He has pledged himself to devote himself to teaching other blind people how to become self-supporting after he has completed his work here. For the past five years he has taught the blind the art of basketry, which he himself learned in the Michigan School for the Blind, and has taught them other trades also.

Help for Sightless. "I demonstrated to my own satisfaction that blind men could work on factory machines," he said, "but I had difficulty in getting places for the blind. Then came the Red Cross scholarship offer. I will get to know the men and they to know me and my work. They will see what a blind man can do, and I believe they will help to open the doors of the manufacturing plants to the sightless. Of course in shops of special production where the work must be done from a blue print, the blind man would be too greatly handicapped, and in shops where there is a great deal of noise there is a great hazard for him."

Ensing came to the university about six months ago and was led through the shops, past the whirling machinery, and told where each piece set, and what it was and where there were belts in which his clothing might get tangled. After that he threaded his way among the machines without help, and operated his own machine without accident. Some of the machinery he operates makes above 800 revolutions a minute.

Ensing believes drill pressure machines lend themselves especially well to blind operators. Metal-working factories offer greater opportunities to the sightless than the wood-working industries do. The greatest possibilities for the blind operators, he believes, will be found in the plant of quantity production of small articles. Foreman Sweet says: "Mr. Ensing's work is not performed automatically, as one might suppose. It can't be done that way on some of the machines. He reasons, and he sees with his sensitive fingers what another man sees with his eyes. We allow every student a limit of 3-1,000 of an inch in the work he does, but Mr. Ensing never uses up that margin. I can't say the same of most of them."

Proves His Efficiency. The foreman admitted that he saw Ensing come into the shops with dread. "When he wanted to be put on the planer I rebelled, but after the first day on the planer I forgot all about it. He reads a micrometer as accurately and as readily as any other student. He has rigged up a little contrivance that he attaches to the instrument—just two rubber bands and a needle—

and with the help of his fingers he reads quicker than some of the men who have their sight. He uses every machine in the shop except the dry grinder, and I expect every day to hear him demand that. He operates the cylindrical grinder, milling machines, engine and turret lathes, drill presses, shapers and planers. His work is a marvel of neatness, and he is chain lightning for speed."

While a student in the state school for the blind Ensing played guard on the school's football team. "There is no reason why a blind man with a normal brain can't work and enjoy himself as well as the man who can see," Ensing says. "True, we miss the great blessing of sight.

## Cite Lord's Prayer in Legal Brief

St. Louis.—A petition in the Lord's Prayer was quoted in a brief filed by counsel for nine bakeries who are attempting to enjoin the enforcement of an ordinance requiring bakeries to be closed after 9 a. m. on Sundays. "Advocates of this law are guilty of hypocrisy and fly in the face of a divine mandate," said the brief. "In the Lord's Prayer we find the petition: 'Give us this day our daily bread.' Bread is needed on Sunday as much as on any other day, even though legislative Holy Rollers make that prayer a mockery and try to prevent the Lord from acceding to our request."

The brief also asserts that the closing ordinance is in conflict with a state law which permits the Sunday sale of drugs and provisions.

and none of us but long for our sight, but I sometimes wonder if the blind have not a keener sense of enjoyment of the things they can do and do enjoy than have those who can see."

## "WALKING" ON WATER



A. N. Sheldon of Ventura, Cal., a fifty-two-year-old farmer, is shown "walking" across San Francisco bay on his "water-ski." Two light wooden pontoons are arranged to slide back and forth in a strong wooden frame. Sheldon's feet are slipped into straps, and by moving his feet he "walks" on the water.

Golf Caddy Sues for Loss of Eye. East Orange, N. J.—A suit for \$85,000 for the loss of his right eye, blinded by a blow from a golf ball, was brought by Cornelius Toohy, fourteen-year-old caddy, against Franklin Webster.

# NEWS OF STATE TERSELY TOLD

Recent Happenings in Nebraska Given in Brief Items For Busy Readers.

Work has commenced on the Rock Island Railroad company's new \$600,000 freight depot at Omaha.

At an election held at Gurley bonds for water works and electric lights carried by a large majority.

Bigspring's new community hall built by townspeople and farmers of the district was dedicated just the other day.

No trace has been found of the body of Henry A. Elbe, parachute jumper, who was drowned in the Missouri river at Omaha during the Aero Congress.

Excessive loans which could not be collected was given as the reason for the closing of the Gurley state bank at Gurley, Cheyenne county, last week.

Power Brothers of Humboldt, extensive dealers in sheep, had seventeen fine specimens killed by dogs in the pens, south of the city one day last week. The dogs were killed.

The city council of Falls City has been petitioned by voters to call a special election about February 1st to pass upon a proposition to establish a city manager form of government in Falls City.

Report of the Lincoln municipal coal yard in operation since October 1, shows 2,725 tons have been delivered. The coal has cost the city \$8.20 per ton, and cost of delivery has been \$1.01 per ton.

Governor McKelvie has issued a proclamation designating the period from Armistice day to Thanksgiving day to be observed for the annual Red Cross roll call, during which time membership campaigns will be carried on.

Lieut. Allan A. Tukey, Omaha; Capt. Marcus L. Poteet, Lincoln; Capt. Earl M. Chize, Nebraska City and Carl M. Lange, Harrington, represented Nebraska as official mourners at the ceremony of burying the unknown soldier at Washington Armistice Day.

The closing of the Farmers State bank at Whiside marked the twenty-eighth bank failure in Nebraska in the past year and a half. Extensive loans to tenants of land, the values of which were wiped away by big decreases in prices, were direct causes of failure, it is said.

Fremont, it is believed, holds the birth record in Nebraska for triplets born in a single week. During the week ending November 5 sets were born to Mr. and Mrs. Alfred Porter and Mr. and Mrs. Frank Carsh. Only one of the six babies, born to Mrs. Carsh, survived. The infants were all boys.

As indicative of the situation in some of the north and northwestern counties in which there is considerable stock feeding, it is reported, that out of 115 cases filed for the September term of court in Loup, Garfield and Wheeler counties, 75 are mortgage foreclosures, the total decrees already entered running over \$600,000.

With the preliminary survey of the Platte Valley irrigation project under way there is a rumor afloat that Gothenburg stands a good chance of securing a beet sugar factory. The project it is said will water an area of 100 miles in length and 15 miles wide or about 600,000 acres between North Platte and Kearney on both sides of the Platte river.

Representative John McClellan of Hall county has written Nebraska solons suggesting a special session of the legislature, the members to volunteer their services and to pay their own expenses. He declared that his interviews with the farming population, especially, and with taxpayers generally, lead him to believe it is high time to retrench in state, county, city, school and all other public affairs.

Taxpayers of Falls City in a mass meeting adopted a resolution requesting Governor McKelvie to investigate the state engineer's office, in so far as its work done in the state, especially Richardson county. The meeting also passed resolutions requesting the board of Richardson county to withdraw a suit instituted against J. E. Relf, highway engineer for the county. The suit was brought by the county board to recover certain sums of money alleged to have been paid to him illegally.

On November 19 a public sale of poultry will be held at the fair grounds at Tecumseh. The sale, which will be conducted by the Johnson County Live Stock and Poultry Breeders' association, it is believed, will be the first of the kind ever held in Nebraska.

Gibbon has a community picture show, the Community club making a purchase of equipment and the show will be handled by a committee. The object is to exhibit a better class of films and on account of the fact that the town was without a picture show. It is planned to keep the admission fee down to the lowest possible figure.

State Superintendent Matzen has endorsed a proposal of State Compensation Commissioner Kennedy to get all schools in the state to teach pupils the A. B. C. of the compensation law. Kennedy says that the worst feature of the law is the lack of knowledge by workers of the law.

Every man who escapes from the Nebraska penitentiary or the new reformatory will be prosecuted under the act of the last legislature making escape a felony, punishable with one to ten years in the penitentiary, says L. C. Oberlies, member of the state board of control.

# Mountains Float Like Icebergs

Interesting Researches Made by the United States Coast and Geodetic Survey.

## CHANGES GEOLOGICAL SCIENCE

Mountain Masses Found to Be Due to the Presence of Lighter Material in Earth's Crust Under Them.

Washington.—Mountains float. Cubic yard for cubic yard, mountains weigh less, not more, than the valleys. The mountains are held up by the lighter material of the earth's crust flowing under them. This has been proved by researches conducted by the division of geodesy of the coast and geodetic survey, under the direction of Dr. William Bowie, chief of the division, and his predecessor, Prof. John F. Hayford, now with Northwestern university.

It has been found that the earth's crust is about sixty miles in thickness, and near that depth, probably below, the material of the earth is yielding to forces which act for long times.

The earth's crust floats on this yielding material. If the earth's crust

were cut into blocks by vertical planes, with the base of each block at a depth of sixty miles below sea level, and the area of the bases of the blocks were the same and as large as 100 miles square, these blocks would have the same mass; that is, they would weigh the same.

Weight Is Equal. By means of the geodetic observations by the United States coast and geodetic survey, the weight of these blocks have been found to be approximately equal. This result had been suspected for decades, but Doctors Bowie and Hayford have proved it.

Geological science will be profoundly changed by this discovery, for now we know the mountain masses are due to the presence of lighter material in the earth's crust under them, and that the ocean bottoms are low because the material under them is denser or heavier than the average. Doctor Bowie concludes that there is no tendency for the mountain masses to break down through the earth's crust, as they are not extra loads. They are like the portions of icebergs projecting out of the water which are held up by the ice which is below or in the water. The iceberg floats, and so does the mountain.

Doctor Bowie also holds that, as mountain system are in areas which were once very low in elevation, mountains are caused by a swelling of the material in the earth's crust under them. A lessening of the density of three per cent in a column 60 miles long will elevate the area about 9,000 feet. Such a change in density, due to physical or chemical changes, is within reasonable limits.

## Flow Is Below Crust.

As the mountains, plateaus, valleys and the ocean areas are in equilibrium there must have been a transference of material from the column of the earth's crust under an area where sediments are deposited, back to the area from which the material was eroded by water and wind. Doctor Bowie believes that the flow of material takes place just below the crust, that is somewhat below 60 miles. The exact depth at which the flow from one column to another takes place may never be discovered.

Doctor Bowie states that, as material is eroded from a mountain area, the new material pushed in at the bottom will tend to keep the average elevation of the mountain system approximately constant. When material is pushed into the column under a mountain system to counter-balance the eroded matter, every particle of the column is carried upward into a colder zone. Under areas of heavy sedimentation, the material of the earth's crust is pushed down into hotter regions. A piece of material may thus be raised up or carried down as much as six miles and, at times, more. The great changes in temperature are probably the cause of the uplift of a mountain system in an area of sedimentation, and of the sinking of the surface where erosion has been great.

## Red Cross Workers of Japan



These Japanese Red Cross workers are lined up in Tokyo ready to embark for Siberia and Manchuria, where their services are greatly needed.

# Yes

it's toasted, of course. To seal in the flavor—



## The Great Obstacle.

"Wife has been pestering at me considerably of late to sell out and move to town," said Cap Johnson of Rumpus Ridge, Ark. "The children yelled like catamounts for the change whenever they happened to think about it. And I was pretty high on the point of doing so last month, but just then some fellow told me it was almost impossible to raise dogs in town."—Kansas City Star.

## MOTHER! CLEAN

CHILD'S BOWELS WITH CALIFORNIA FIG SYRUP

Even a sick child loves the "fruity" taste of "California Fig Syrup." If the little tongue is coated, or if your child is listless, cross, feverish, full of cold, or has colic, give a teaspoonful to cleanse the liver and bowels. In a few hours you can see for yourself how thoroughly it works all the constipation poison, sour bile and waste out of the bowels, and you have a well, playful child again.

Millions of mothers keep "California Fig Syrup" handy. They know a teaspoonful today saves a sick child tomorrow. Ask your druggist for genuine "California Fig Syrup" which has directions for babies and children of all ages printed on bottle. Mother! You must say "California" or you may get an imitation fig syrup.—Advertisement.

## Interest Still Large.

Modern style may have interfered with the deposits in woman's favorite bank, but it has caused no decrease of interest.—Boston Transcript.

Every department of housekeeping needs Red Brass Ball Blue. Equally good for kitchen towels, table linen, sheets and pillowcases, etc.—Advertisement.

Education is life's apprenticeship; its chief aim is to teach us how to think.

## Watch Your Daughter A BEAUTIFUL WOMAN IS ALWAYS A WELL WOMAN

Dixon, Neb.—"For the young girl developing into womanhood there is nothing better than Dr. Pierce's Favorite Prescription as a tonic and builder. At that time of my life I was sadly in need of something to strengthen and build me up and I found just the tonic I needed in 'Favorite Prescription.' I would advise its use by all young girls at this critical period of life."—Mrs. E. Long.

Health is most important to every woman. You cannot afford to neglect it when your neighborhood druggist can supply you with Favorite Prescription in tablets or liquid, and Dr. Pierce is willing to give you confidential medical advice free. Write him today at Invalids' Hotel, Buffalo, N. Y.

## Thirty Feet of Danger

The intestines bend and twist and turn on themselves—more than thirty feet of them—and when food waste clogs them up, irritating and dangerous poisons are formed and carried by the blood through the system.

Remove this food waste regularly with Nujol—the modern method of treating an old complaint.

