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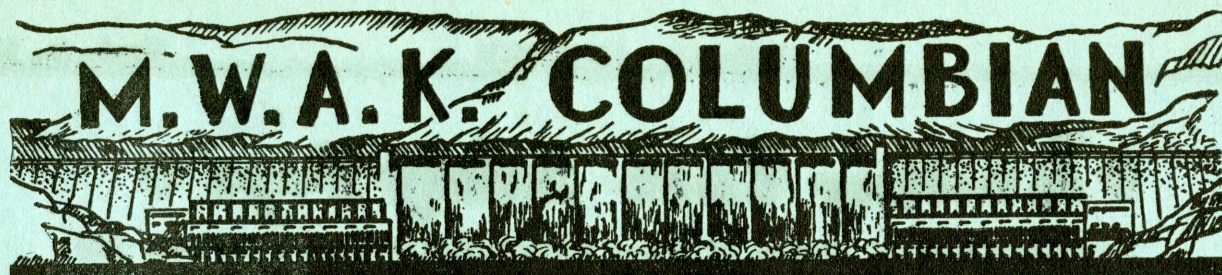
Mason-Walsh-Atkinson-Kier Co.

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SAFETY
DEPARTMENT

MASON-WALSH-ATKINSON-KIER CO.
BUILDERS OF COULEE DAM

MASON CITY
WASHINGTON

Vol. 3 No. 35

M. Pete Shrauger--Editor
Safety Engineer

Sept. 3, 1937

GATES FOUR STORIES HIGH WILL RE-DIVERT COLUMBIA

Each weighing nearly as much as MWAK's largest power shovel, four timber and steel gates to be used for re-diversion of the Columbia river are soon to see first construction. Buoyed upward by three air tanks and yet weighted down by about 65,000 pounds of concrete, each 180-ton structure will trail through the water a distance of 1,500 feet to west side concrete. And here the tanks, grouped near the concrete weight at the bottom, will gradually be filled with water as the gates sink downward into place to seal off the Columbia river from the lowest diversion blocks. Water in the enclosures will be pumped out and concrete placed. Use of the gates will follow first blocking out of the river from the concrete slots by stop-logs more than a month hence.

Four blocks of concrete at elevation 910 or about 35 feet under the surface of the Columbia river will require use of the gates. These are 32, 34, 36 and 38. Concrete in the blocks will rise only 35 feet before contract completion. Other blocks in the diversion channel and toward the west are above present river elevation and do not require use of the gates. These 10 higher blocks, which during high water helped pass the Columbia river, will begin their rise to contract completion about the same time. Three of these blocks are in the diversion channel and will rise only 10 feet more to level 960.

Present preparations for stop-logs and gate construction include the building of a carpenter shop on the east bank of the river below the downstream cofferdam, the building of a way 120 feet long for the launching of the structures, installation of a circular and a cut-off saw, fabrication of a timber carriage 50 feet long for closure gates, and the locating along the bank of four 4x4-foot ballast tanks. Two larger tanks, 4 3/4 feet in diameter and 25 feet long, will be added later. Three tanks will be used for each of the two downstream gates to be built at the shop. Another carpenter shop for the building of the two upstream gates will be erected above the upstream cofferdam. Six tanks will also be needed there.

First work downstream calls for the construction of stop-logs and this is
(Continued on Page 5)

Safety
Page

A stylized illustration of a hand holding a pencil, positioned as if about to write or draw.

✦ Another Case- Safety Pays ✦

Investigations by bureau of mines representatives on a certain job revealed that one foreman had 23 men injured for a loss of 2,500 days during a 10-month period. After having been induced to become interested in a course of accident prevention, he worked on the same section under the same conditions for the next 12 months with only four lost-time accidents. He worked on the same section for 19 additional months without a single lost-time accident. At first the foreman believed that his duty was done when he told his men what to do as far as direct productiveness of work was concerned. Without doubt, however, his success during the last two years was due to his better understanding of his duties and his responsibilities. ✦

Other foremen at the same place have records nearly equal to the particular one mentioned; and it is fair to say that their records were in proportion to the interest manifested by them in their respective jobs from the standpoint of accident prevention. ✦

The job referred to showed an annual out of 66.6 per cent in last-time accidents. At the same time 10.8 per cent of the employees were injured during the first half of the year. This figure was reduced, however, to 2.4 per cent and production per lost time injury was six times greater for the last six months. ✦

These results were not obtained by spending additional money or adding to the cost of production; it was simply a case of having common sense rules to follow and of attaching as much importance to a worker's disobedience of safety rules or orders as to his reporting late for work or leaving the job before quitting time. ✦

It has been proved conclusively that there can be no efficiency and economy without safety, for somebody pays when safety is lacking. Every safety device pays dividends; every safety application evaded is an assessment and a loss. Dangerous conditions are the most expensive in or about an industrial scene. ✦

Back of every machine and of every plan there must be brains. It is the foreman's duty to develop these brains, and to do so he must be willing to discuss safety, production, or anything that brings the management and men closer together in friendly relations. Foremen are paid not only for mechanical skill, but also for their ability to influence the actions of others in carrying out safe practices. When a foreman admits that he cannot promote safety among his men, he admits his own inefficiency and must be handled as one who does, because he is falling far short of accomplishing what he is paid to do—he is slashing at the dividends that safety pays. ✦

CRYSTAL BALL

1936

YEAR AGO

PETE KOTCHENREUTHER, rubbing hands together, "Aaaah! Oct. 27, and \$10,000, mebbe \$150,000!".....

....WILLIAM WARREN--What puzzles us was whether he was interested in art when he went to learn what it was that Guy de Maupassant wrote.....

TOM BERRY'S tracks get longer each day as he approaches the laundry.....

....FRANK ELLITHORPE has worn out two pencils trying to figure when the camp office bob-cats will have at least quints

ERNEST JONES has yet another 11 days before he'll find out what he knows about accountancy at a University in Chicago.....

....JOE FARRELL declares that with his new formula for predicting football outcomes you cannot go wrong by believing him-----

BOB McNUTT can tell you what a prosperous man does with his shekels--the extra ones

....CARL DYCUS can also tell you what effect upon a cat a cure might have that he received from an "anonymous friend".-----

JOHN McFADDEN has faithfully and proudly studied each day the published picture of a brawny, tan Tarzanic figure. "That's me," sez he.....

....KEN HYDORN'S features are getting a little more worn every day. The betting fever's beginning to interfere with his soundest sleep.....

EARL PEABODY and a certain payroll clerk have become real city "slikkers" at matching pennies in a 3-way match for beers....

....NO MACHINE THAT WAS STOPPED EVER
REACHED OUT TO INJURE AN OILER.....

BOB STAPLES is on the water wagon, literally, figuratively and what-have-you.....

....GEORGE POUND went--well, not quite berserk--one night, explaining the manufacture of machines and machine parts.....

BILL BRODIN celebrated 80-odd years for another, and then cut his speedometer down 10 miles per.....

....BOB SHEETS said 3x5 equals too many but Farr showed him it didn't.....

JOHNNY (GOOSENECK) GRAHEK, still one of the recent grooms, sallies forth now and then from his room back in camp.....

....JIMMY NELSON played monopoly last Saturday night at Rimrock.....

E. R. STOKES shouts from the bank trip after trip, "That's my boat you've got!".....

---One thousand in Mason City and 225 at Coulee Dam register for primary elections to be held Tuesday-----

---Building of cross-river cribs begin at south end of west cofferdam-----

---Drive last of 400 points for freezing the east slide area-----

---Remodel last year's grade school building for hospital staff apartments-----

---Float first cribs into place for downstream cofferdam-----

---"THERE IS A CERTAIN PERSON IN INDUSTRY, not heralded as a hero, who deserves much praise and credit. He may not have devised a new machine. His position may be minor and salary small, yet he is doing a great deed for both his company and his family. The man is the safe worker."-----

---Victorious in a double-header in Spokane, Mason City Beavers end regular baseball season-----

---Concrete placement for August averages 6660 yards daily-----

ODDS ODDS ODDS N D ENDS ENDS ENDS
ODDS ODDS ODDS ENDS ENDS ENDS

---The heaviest water in the ocean is in the Antarctic-----

---Rope and cord made out of glass yarn are now on the market-----

---A United States cent is really bronze being 95 per cent copper and 5 per cent zinc and tin-----

---A baby has 11 more bones than an adult because certain bones in skull and end of spine later join-----

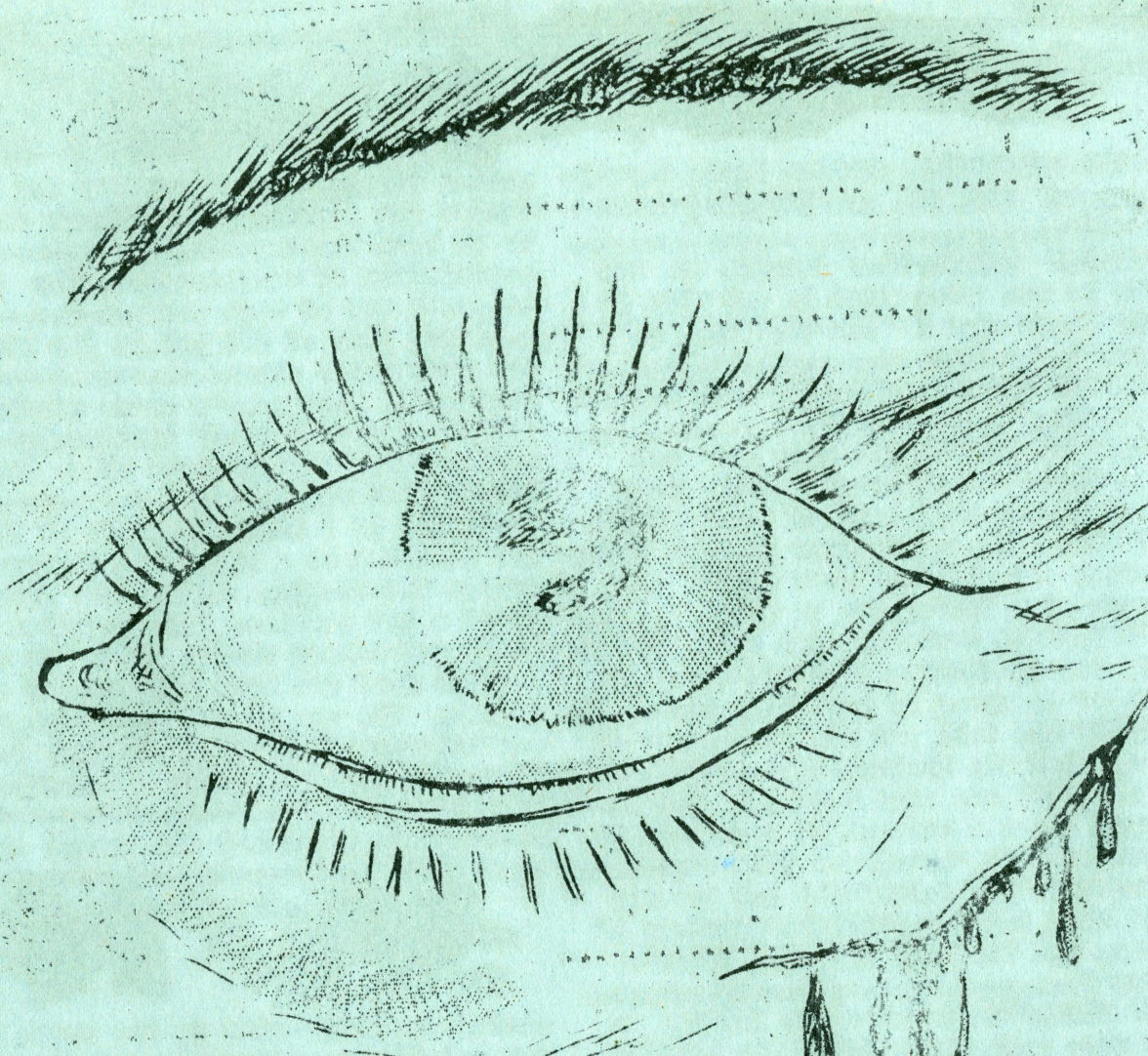
---According to United States law, butter must contain "not less than 80 per cent by weight to milk fat."-----

---Americans eat over 160 kinds of sea food from the lakes, streams and coastal waters of this country-----

---ANY MEASURING TAPE MAY BECOME A DEADLY LIVE WIRE IF IT TOUCHES ELECTRIC WIRES. MOST CLOTH TAPES CONTAIN FINE COPPER WIRES FOR STRENGTH-----

---There are about 379 radio beacons in the world, aiding navigators, and one-third of these are in United States waters-----

---The house is public enemy No. 1 of the animal world as a menace to man's health and as a destroyer of property-----



**MISSED
IT !**

**BUT HOW
ABOUT NEXT
TIME?**

**GET GOGGLES AT
THE SAFETY OFFICE**

**MINAK
SAFETY
OFFICE**

*Glenmore
Jung.*

CLOSURE GATES

(Continued from Page 1)

ready to get under way. The 72,500 board feet of timbers arrived last week. Each timber is 54 feet long but the footage varies in other dimensions from 10x28 to 16x28 inches. Four or five timbers will be grouped together and bolted. The logs at the proper time will be drifted across river and placed across two of the diversion channels by a crane rig. Vertical slots for the logs were left near the middle of concrete blocks that hem in the very low blocks. Placement of the two upstream gates follow and then the down stream gates. After this the stop-logs are lifted out and the enclosure pumped out for concrete placement. This means after flooding the center cofferdam the river will turn from its west side pathway back over and through the center section.

Gates will be 54x54 feet and will arch outward, cut on a radius of 50 feet. (Arch gates are stronger than straight gates). The four structures will contain over 300,000 board feet of timbers, varying for 3x8-inch to 8x18. Timbers will be cut into 10-foot lengths to make possible the radius cut of 50 feet. Steel tie-rods will connect the sides of the curved gates. For all reinforcement work, over 11,000 lineal feet of steel will be needed in lengths as short as 4½ feet. The steel will not interfere with the placement of concrete panel forms.

At the bottom of each gate the concrete will be added to assist in sinking the gate at the time of placement. This weight would submerge the gate about 45 feet, however, as it went across the river for placement and would drag on river bottom. To prevent such action and also to help with placement of the gates, the ballast tanks will be added, together with air and water lines. The valve-controlled tanks will expel air through 2-inch lines as flood waters enter 3- and 4-inch lines and the gates settle into position. After pumping begins, water dare not seep through into the enclosure because this would prevent placement of concrete. A

preventative measure will be the placing of air hose between the gates and the concrete of the dam. When air is pumped into the hose it will expand to occupy voids between the gates and the concrete. If there should still be a bit of seepage, then other caulking will be done.

Present plans indicate that the downstream gates will be built first, but not used first. There is plenty of time for the building of upstream gates before they need be used. While construction for the gates is under way, a hammerhead crane will be placing concrete for the 30 lifts necessary to bring blocks 33, 35 and 37 to their contract height from elevation 950. Stop-logs will then be placed in blocks 36 and 38. A total of 98 lifts of concrete will be placed for these blocks. Then stop-logs and gates will be shifted to blocks 32 and 34 for the same number of lifts of concrete, after which the 180-ton gates will have performed their duty.

Gates will have been provided to take care of a maximum head of water upstream to an elevation of 956.5 and for a tail-water downstream of 945, about present level for the present lowering Columbia river.

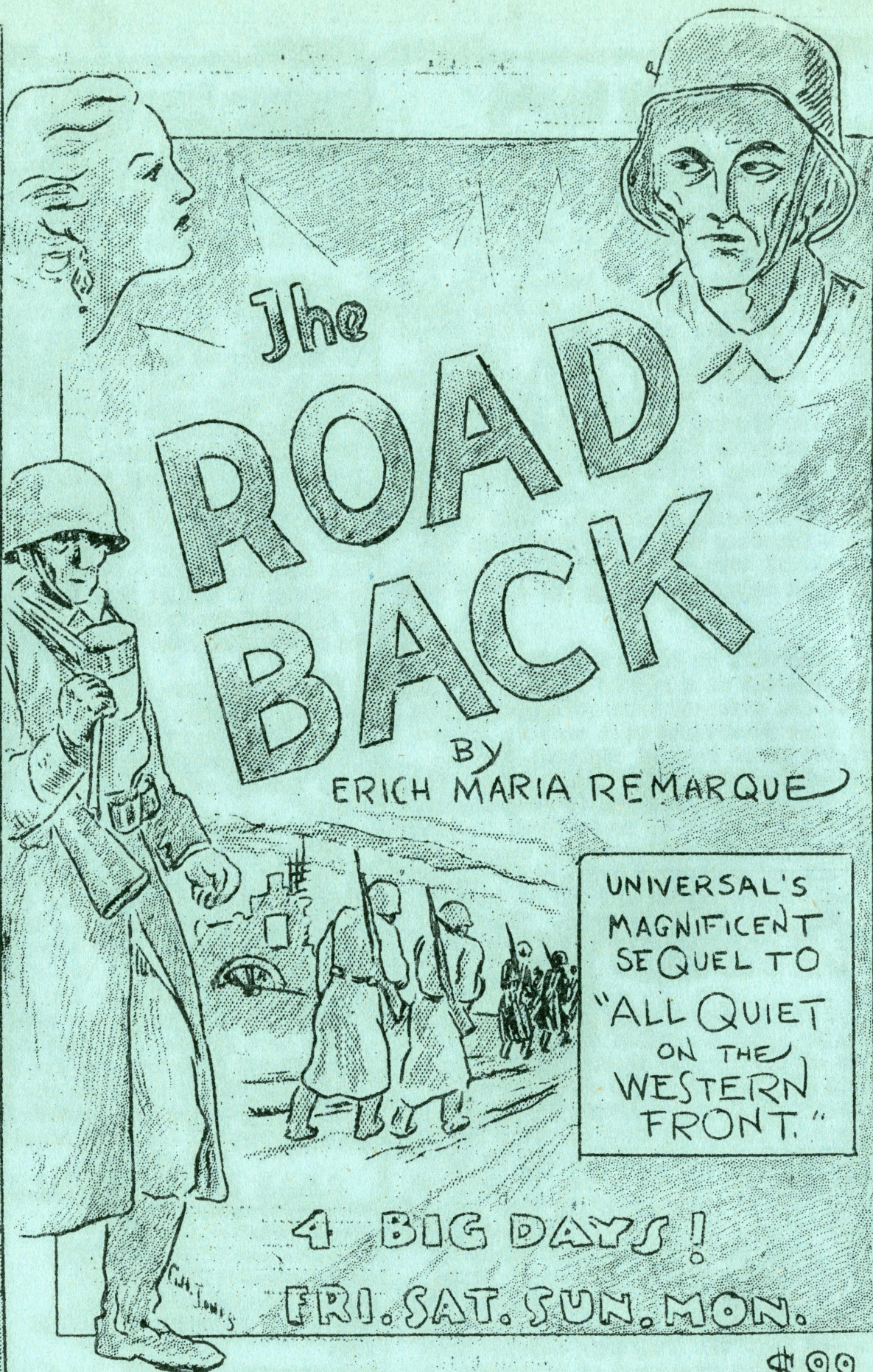
After the gates are gone, the west side in general will be on a level with high blocks on the east side. Of the 33 blocks on the west side, including block 40, four will be at least 55 feet lower at elevation 945 and three at a top elevation of 960. The four west side low blocks will join with 11 others in the river section at the same completed height for the contract of 945 to help pass the Columbia river. These will serve with the 20 tunnels of the outlet works to provide 35 passages to carry the Columbia river along.

-ooo-

GOOD HOUSEKEEPING

-----CURTAILS WASTE
 -----SAVES TIME
 -----CONSERVES HEALTH
 -----PREVENTS FIRES
 -----IMPROVES MORALE
 -----PROMOTES HAPPINESS
 and-
 -----BREEDS SAFETY

M
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4 BIG DAYS!

FRI. SAT. SUN. MON.

TUES. ONLY-MOVIE SWEEPSTAKES \$98

EYE INJURIES NEAR TOP

Around construction work injuries to the eyes are usually minor, but not always. They are numerous, however, and can always be dangerous. Statistics show the eyes receive more injuries than any other part of the body except the fingers. Your awareness of the number of finger injuries about you should suggest the relative commonness of accidents to the eyes.

Laborers whose work subjects them to more possibility of eye injury are supplied with goggles, a special kind for a particular classification of work. These are to be used over, not above, the eyes! Even though their visibility is good, the wearing of them may seem to be unnecessary and a nuisance to you--until too late. A rule to follow is: **DON'T TAKE CHANCES WITH YOUR EYES. THEY MEAN YOUR LIVELIHOOD!**

If an eye accident occurs, keep the eye closed, place a finger over the opposite nostril and blow vigorously. This promotes a flow of tears and may wash the object out where it can be removed. A method of removal is to pull the lashes of the upper lid down over the lower and release. Liquids or other similar materials in the eye can often be flushed out with cold water. When hard particles, such as steel or glass are imbedded, prompt action by a doctor is necessary; until that time the eyelid should be kept closed, at rest.

-oOo-

THINGS A GOOD MACHINIST DOESN'T DO

Say, "That's good enough!"
 Turn a roomer backward.
 Use a file for a pinch bar.
 Try to cover up his mistakes.
 Let his lathe run and cut air.
 Grind grooves in the emery wheel.
 Use a monkey wrench for a hammer.
 Use a screw driver for a chisel.
 Use a file without a handle on a lathe.
 Grind round corners on the emery wheel.
 Take off his overalls before quitting time.
 Wear loose clothing around machinery.
 Wear jewelry on his hands at work.
 Try to fool his foreman.
 Run a machine when any part of it is out of order without notifying his foreman.
 Rap the chips out of his file on lathe shears or ways."

SIX CONGRESSMEN TO VISIT DAM

Following the next Tuesday visit of Representative s Emmett O'Neal and James M. Fitzpatrick from Kentucky and New York respectively, four more national figures of Congress will be at the dam Sept. 13 and 14.

These are Representatives W. P. Lambertson (Kansas republican), Jed Johnson (Oklahoma democrat), James G. Scrugham (Nevada democrat) and Robert F. Rich (Pennsylvania republican).

-oOo-

HOW LARGE IS A STEAK?

The tonnage that tramps into the mess hall as thousands of meals are served daily is not the only tonnage. Tonnage is also carried in--

Eight tons of more than a dozen kinds of meat are prepared by Chef Bill Arndt's corps of employees each week, a check of weekly orders show.

Major items are beef (5,400 lbs.), bacon (2,200), ham (2,000), veal (1,600), lunch meats (1,000).

Others: little pig sausages (700), spare ribs (300), beef liver (250) and frankfurters (200).

Sunday dinners require about 1½ tons of chicken or turkey. Last Sunday 1,767 pounds of turkey and 1,200 pounds of hens were ordered and used.

-oOo-

NATION WILL HEAR BROADCAST

Over 100 stations of the Columbia Broadcasting system will carry the story of the Grand Coulee dam in a one-half hour program from the dam site Sept. 11. The broadcast will be sent from a transport plane flying over the project and from several points on the ground.

-oOo-

CIVIL SERVICE EXAMINATIONS--senior land bank appraiser (\$4,600 a year); associate bacteriologist; junior graduate nurse; civilian instructor of Spanish; of French; marine surveyor; assistant marketing specialist; specialist in Indian arts and crafts.

-oOo-

OWNERS OF HORSES WINNING MASON CITY THEATRE "Sweepstakes";

First, Clarence Belton, \$12.

Second, Mrs. Leo Stewart, \$16.

Third, C. J. Balsit, \$45.

-oOo-



"We'd better make a front-page story of this wedding," remarked the editor.

"Well?" asked the society reporter, in surprise. "They aren't very prominent people."

"That may be," he replied, "but this is the first account of a wedding you have turned in for ages that hasn't had as a last line, 'They will reside with the bride's parents.'"

-o0o-

"THEY LAUGHED WHEN I CAME ON THE STAGE IN MY GLOVE-TIGHT SHORTS, BUT WHEN I BENT OVER THEY SPLIT."

-o0o-

Thousands of years ago a lecturer at Dry Falls might have said:

"This, ladies and gentlemen, is the greatest cataract in the country, and if the ladies will only be silent for a moment you can hear the deafening roar of the waters."

-o0o-

IT'S A GOOD IDEA---CIVILIZATION. SOMEBODY OUGHT TO START IT.---Edward, Duke of Windsor.

-o0o-

"How do you like that new mare of yours?"

"Oh, fairly well. But I wish I had bought a horse. She's always stopping to look at herself in the puddles."

-o0o-

Visitor: "Why are those bees flying around so frantically?"

Old-timer: "I guess they have hives."

-o0o-

ONE MOTORIST IN EVERY 45 IS GOING TO KILL A MAN, WOMAN OR CHILD IN A PREVENTABLE ACCIDENT. WILL YOU BE THE ONE?

-o0o-

Young Romeo: "Fifteen cents certainly enabled us to have a good time tonight, didn't it?"

She: "Yes, I wonder how my little brother spent it."

-o0o-

LOVE IS THE ONLY GAME THAT ISN'T POSTPONED BECAUSE OF DARKNESS.

Justice Markhus: "Well, what is your alibi for speeding 50 miles an hour?"

Davey Slice: "Your honor, I had just heard that the ladies of my wife's church were giving a rummage sale and I was hurrying home to save my other pair of pants."

Justice: "Case dismissed."

-o0o-

What this country needs isn't a lower rate of interest on money, but a higher interest in work.

* * * *

What this country needs isn't to get more taxes from the people, but for the people to get more from the taxes.

* * * *

What this country needs is more tractors and less detractors.

* * * *

What this country needs is not more miles of territory, but more miles to the gallon.

* * * *

What this country needs isn't more young men making speed, but more young men planting spuds.

-o0o-

A questionnaire we sent out: "If you were to fall heir to sudden wealth overnight what would you do?"

One of the answers: "Nothing. The darn alarm would go off before I could get a chance to spend a cent of it."

-o0o-

TEAMWORK AND CARE MAKE ANY JOB SAFE

-o0o-

He halted and blinked in front of the painted picture of the salmon in the recreation hall last Saturday night. He stared at it for a moment or two in silence, and then he said: "The fellow who caught-hic-that fish is a --hic--liar."

-o0o-

THE OLD TIME WINDJAMMERS USED TO SAIL AROUND THE WORLD, BUT THE MODERN ONES SEEM TO GET NO FARTHER THAN CONGRESS.

-o0o-

CHURCHES

CATHOLIC CHURCH—Father A. Farrelly, pastor
Mass will be said Sunday, Sept. 3, at
8 a.m. in Grand Coulee and at 10 a.m. in
St. Benedict's church, Mason City. In-
structions for children will be given Sat-
urday at 10 a.m.

COMMUNITY CHURCH—The Rev. W. W. Sloan,
Ph. D., pastor

9:45 a.m. Church school
11:00 a.m. Morning worship; subject,
CHRISTIANITY AND LABOR
7:00 p.m. Vesper services; continuation
of "What Christianity Stands
For."
8:00 p.m. Friday (TONIGHT), social hour
for young people.

**CHURCH OF JESUS CHRIST OF LATTER DAY
SAINTS**—R. E. Nuttall, superintendent
(In Mason City high school building)

10:30 a.m. Sunday School
11:15 a.m. Departmental works:
Gospel doctrine: adults
Church history: juniors
Primary

ELECTRIC CITY UNION CHURCH—M. L. Bennett,
pastor

11:00 a.m. Sunday School
12:00 a.m. Morning worship
6:30 p.m. Young peo-
ple
7:30 p.m. Evening
worship

SEVENTH DAY ADVENTIST
(In Electric City Union
church)

Services are held
every Saturday morn-
ing at 9:45 a.m., fol-
lowed by Bible study.

-oOo-

**ANYONE CAN TAKE A
CHANCE--IT TAKES SOME
THOUGHT TO BE CAREFUL**

-oOo-

The pumping plant
will be 180 by 790
feet for the complet-
ed dam.

WIN SIXTH MEET; ENTER TOURNAMENT

By swamping Wenatchee last Sunday here
on the local courts, the Coulee Dam ten-
nis club is conceded a good chance in
the North Central tennis tournament to
be held in Wenatchee over Sunday and Mon-
day. Several members of the undefeat-
ed club will participate in the meet, spon-
sored by the United States Lawn Tennis
association.

The club took its Wenatchee meet 10
matches to 2, winning seven singles and
losing one.

A meet may be held with Spokane one week
from Sunday away from home.

-oOo-

Enthusiasts in the art of using a rifle
fire weekly rounds in the rifle range in
the basement of the east vista house at
8 p.m. Tuesdays.

-oOo-

When King Sol cut down on the heat from
his blazing rays he brought about some dif-
ference on concrete surfaces. The place-
ment of sand atop concrete lifts to help
retain moisture and benefit curing ended
this week. The comparatively cool weath-
er has made the sand unnecessary.

-oOo-

SCHOOLS ADD 40 PUPILS

Opening day enrollment for the Coulee
Dam public schools totaled 242, 40 more
than last year. The 63 in high school
were four less than last year, however.

-oOo-

The 4½ miles of galleries
and shafts in the present
contract for inspection, gate
control, cooling, greuting,
drainage and other purposes
will be about eight miles in
the completed dam.

-oOo-

Mass hall lunches range up-
ward of 1,300 daily.

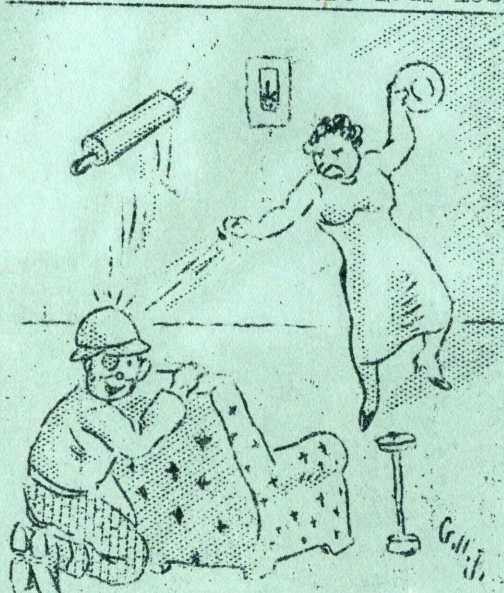
-oOo-

**YOU CAN'T WAIT UNTIL THE
LAST SECOND TO PREVENT ACCI-
DENTS.**

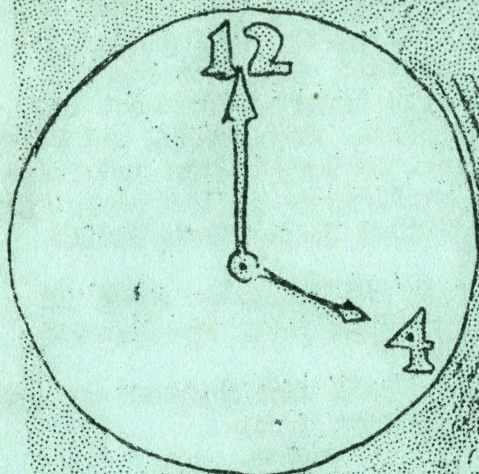
-oOo-

Employees at the saw filer's
shop sharpen about 125 hand
saws each day, about 20 a
shift per man.

-oOo-

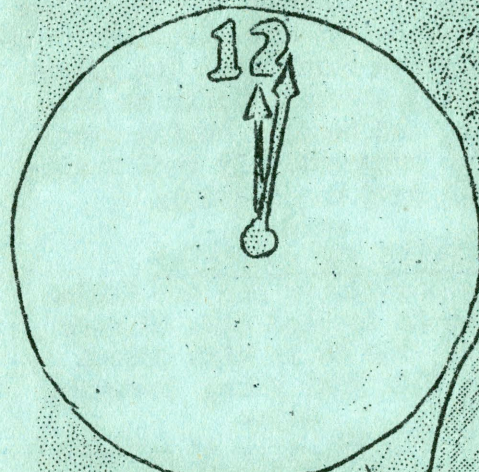


"THE SAFETY DEPT. WUZ RIGHT.
"EVERY MAN SHOULD WEAR A HARD
HAT!"

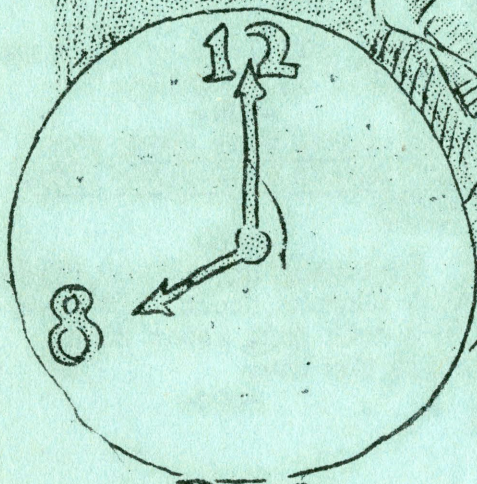


A.M.

TAKE COVER



NOON



P.M.



GLENMORE JONES

AROUND THE DAM

OBSERVE LABOR DAY

In observance of Labor day, the job will be closed down from 8 a.m. Monday, Sept. 6, until 8 a.m. the following day, according to a bulletin issued from the office of the job manager.

This excepts repair and other absolutely essential work, also operations at the gravel plant and pit.

-oOo-

Four more lifts of concrete only and the east power house will be due for a rest before receiving additional concrete.

Outer walls approach level 950 for the contract, or approximate low trestle elevation. The training wall goes 10 feet higher.

Inner walls under the trestle must await removal of the trestle before concrete is completed for the contract.

-oOo-

MACHINE MULTIPLIES SPEED

George Lylo, Company blacksmith, didn't wait for an apple to fall to get an idea.

He decided that the tedious work by three men of giving the final bend to copper lengths for grout stops was unnecessary. He devised a steel bar addition to the bending machine. With the help of welders, the final product was put into active service this week.

Per man-hour of operation, the machine is now 25 times faster than formerly and can bend 45 lengths of copper in 20 minutes.

-oOo-

THE LONGEST WAY HOME MAY BE THE SHORTEST WAY HOME--IT MAY BE THE SAFEST.

-oOo-

The workman who wears rubber boots supplied by the Company for use around concrete is only one of 1,400 who wears them, a check reveals.

-oOo-

Grout yardage on concrete block surfaces is about equal to 25 concrete lifts for 50-foot blocks. The total is about 33,000 yards.

BORN at the Mason City hospital-----

Aug. 25, to Mr. and Mrs. Rudolph Jensen of Grand Coulee, a son.

Aug. 26, to Mr. and Mrs. William Sisson of Electric City, a son.

Aug. 28, to Mr. and Mrs. Robert Stover of Electric City, a daughter.

Aug. 29, to Mr. and Mrs. David Waldol of Grand Coulee Center, a daughter.

Aug. 31, to Mr. and Mrs. Linford Barker of Grand Coulee, a son.

-oOo-

HAMMER DRILLS INTO CONCRETE

A jackhammerman knows what it is to feel lonesome.

Standing alone on a concrete pinnacle 30 feet above earth, one hammer Wednesday began the job of drilling from seven to eight feet down into the concrete before shelving the concrete off to remove the pinnacle. Clinging to the tower of concrete are three dozen steel piling which must be removed. The concrete had been placed to seal between two cells of the downstream cluster of the west cofferdam.

-oOo-

STORE GETS UNWELCOME VISITOR

Gus Johnson, former employee, was taken from the Mason City jail Tuesday to Okanogan to face charges of having broken into the Coulee Trading company store last Sunday night. Police explain that Johnson was discovered inside about 10:20 by Guy Fuller, MWAK guard, who cornered Johnson with the assistance of Guard W. B. Dixon and Patrolman Mark Antoncich. Entrance had been gained through the front door to the east.

-oOo-

STAY ALIVE!

-oOo-

A 3-yard shovel is cutting down to elevation 910, river bottom elevation, between west cofferdam cells and the low cells on the bucket area of blocks 41-44. This precedes removal of the inner cells.


-oOo-

MEATS of QUALITY


ARMOUR'S HAMS TO BAKE
BUTT OR HOCK END. 23
PER LB.

LARGE SLICE % HAM. 10
ARM OR CHUCK ROAST 13¢
ARMOUR'S STAR LARD 12½¢
CENTER CUT EACH PER LB.

RABBITS. 30
PER LB.



COLORED
BROILERS 35¢
PER LB.



MEAT DEPT.
COULEE TRADING CO.