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Mason-Walsh-Atkinson-Kier Co.

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THE

M. W. A. K.

COLUMBIAN

SAFETY
DEPARTMENT

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

MASON CITY
WASHINGTON

Vol. 1 No. 2

M. Pete Shrauger-Editor
Safety Engineer

April 1935

WEST COFFERDAM

THE RACE AGAINST TIME AND HIGH WATER IS WON! And you men who made this great accomplishment possible are to be heartily congratulated. Now that all sections of sheet pilings are driven, let's look over the job and make a few comparisons and note the large amount of materials used in the construction of this, the world's greatest cofferdam...

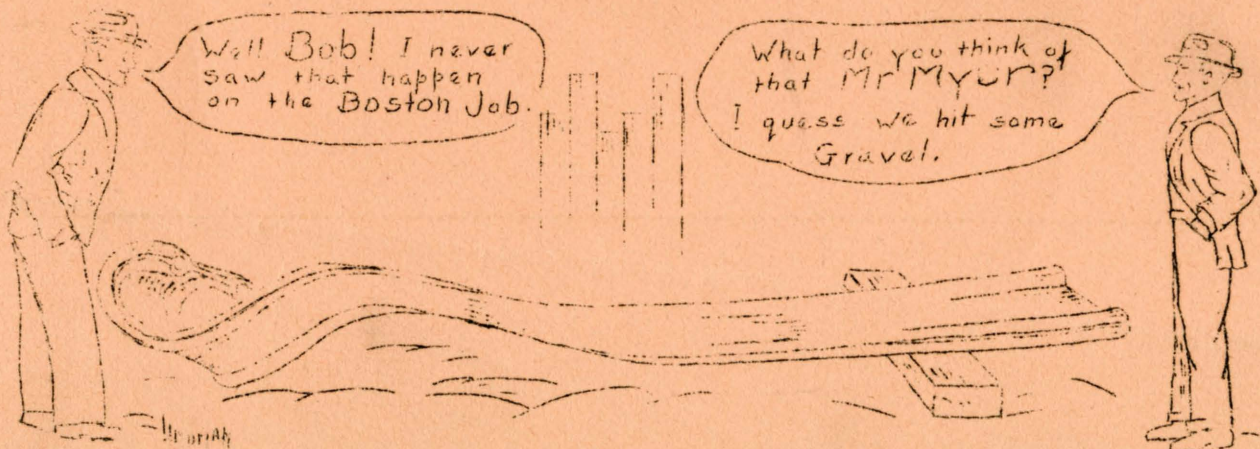
The first pile was driven January 1st, and if present plans are worked out as expected the last on the West section will be done on April 1st; in a period of less than 90 days a world's record is set!

Soon after the first wooden piles were driven the steel sheet piling began to appear on the job. These sheets, of the interlock type, are 15 inches wide and 3/8 inch thick, weighing 38.8 pounds.

This type of cofferdam is known as the Cellular type, consisting of a series of cells extending along the river. They are driven to an average of 60 feet below low water level, are 40 feet above water level and extend into the river approximately 200 feet to a low water depth of about 20 feet. At the height of operations 30 McKiernan-Terry steam hammers were working - the largest single order ever placed.

When it came to assembling the tons of equipment and the 12,600 tons of sheet piling, it was necessary to truck it from

Continued on Page 6



THINK

SAFETY REPORT FOR FEBRUARY

During the month of February and extending into March the M.W.A.K. Company hit a peak of employees for this period, the total number being 3218.

Accidents have also risen in proportions to number of men employed.

For the month of February we had as follows:::

Compensable accidents.....	23
Non Compensable accidents.....	132
Fatal accidents.....	2
Total accidents.....	157

This number must be decreased and it is up to each one to do your part. Foreman your men depend upon you. DO NOT LET DOWN.

COMMON EXCAVATION

Yardage from the West side excavation is moved to Rattle Snake Canyon by a 60 inch belt conveyor consisting of 15 belt sections each over 200 feet in length, or for a total distance of 3600 feet. A stacker unit consisting of 3 sections; telescope, chasis and cat sections is capable of distributing the earth over a radius of approximately 300 feet.

Three feeders at present supply the belt line with excavation moved by six shovels; two 5 yard, two 4 yard, and two 2 yard, which is hauled from the pit to the feeders by cat drawn dump trucks of 18 yard capacity and auto trucks of 10 yard capacity.

A total of 2,200,000 yards has been moved to the canyon to date since December 17th, 1934. The greatest amount moved for a 21 hour day was on February 6th, a total of 42,000 yards. The greatest amount for one 7 hour shift was 15,760 yards for the first shift on February 6th. The greatest amount put through one feeder for one shift was 8,096 yards on the third shift of February 1st.

At present the conveyor is averaging approximately 35,000 yards per day. During the past week a new record for dirt moving on any one job was established. The M.W.A.K. Company and sub contractors moved 348,173 cubic yards and the Ryan Construction Company moved 30,000 cubic yards for a grand total of 378,173 cubic yards.

An estimated amount of 11,000,000 cubic yards is to be moved by the M.W.A.K. Company of which 3,074,294 cubic yards has been moved to date completing 28% of the common earth excavation.

L. G. Marsh --- 3-18-35.

GET FIRST AID TREATMENT PROMPTLY FOR ALL INJURIES

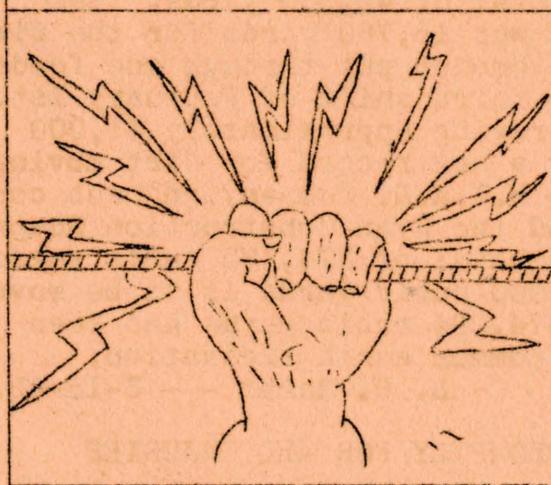
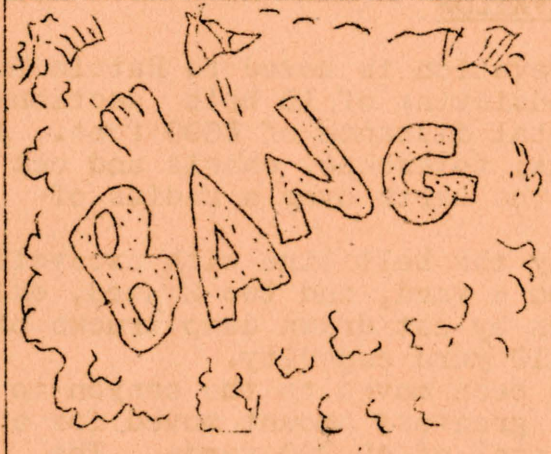
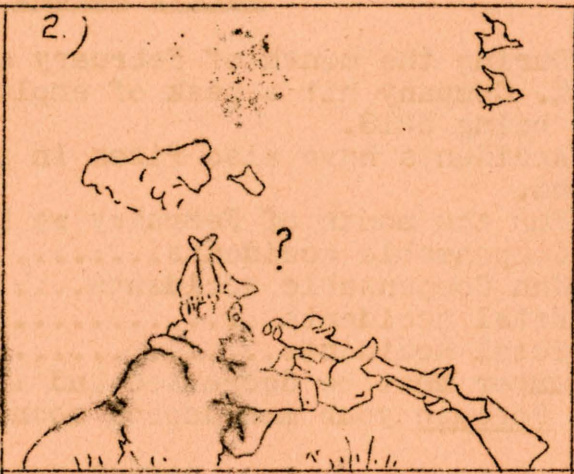
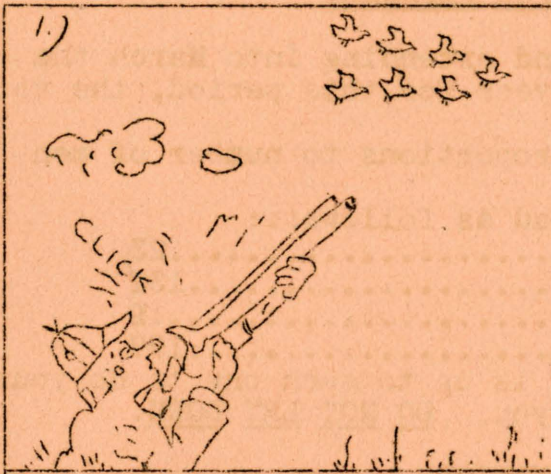
FIRST AID CLASSES

First Aid Classes are now being held weekly, five days per week. These classes are under the supervision of Mr. Con O'Connell United States Bureau of Mines Instructor, assisted by Mr. Harry Bates of the Safety Department.

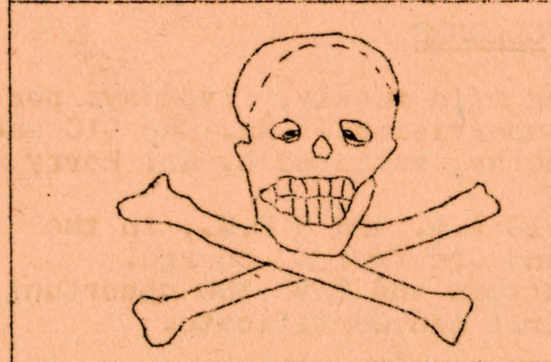
Classes are held twice daily, 10 A.M. and 8 P.M., in the Social room of the Recreation Hall and are free of charge.

All are cordially invited to attend and have the opportunity of earning a U.S. Bureau of Mines First Aid Certificate.

THINK SAFETY



The man who
is careless



usually pays

PUBLIC EDUCATION

With the advent of the Boston Latin School 300 years ago the present-day American High School had its genesis. It has ushered into the world a new principle--Free Public Education--without which truly democratic government could not have inaugurated, and without which it can neither advance nor long endure.

Thus from public education comes social solidarity with that feeling of homogeneity so essential to peace, security, and the happiness that flows from culture. It is to that end that the Mason-Walsh-Atkinson-Kier Company are planning their standard school for Mason City.

- - - - SAFETY PAYS - - - -

TYPHOID FEVER

Zachary Taylor, 12th. president of the United States succumbed with scarcely half his term of office served. In his day 100 people out of every 100,000 met death from this water borne disease each year. DO NOT DRINK water about which you are uncertain; it may be contaminated.

PRECAUTION: Outdoor toilets should not be allowed within the immediate drainage area of a water supply source, and never above the source of supply.

A WORD TO THE WISE IS USUALLY SUFFICIENT

NOTICE

Anyone who has not had TYPHOID FEVER INNOCULATION within the past five years should do so at once. This will be given free of charge at the M.W.A.K. Hospital in Mason City, or at the State Health Office at Grand Coulee.

Dr. George T. Sparling-Health Officer.

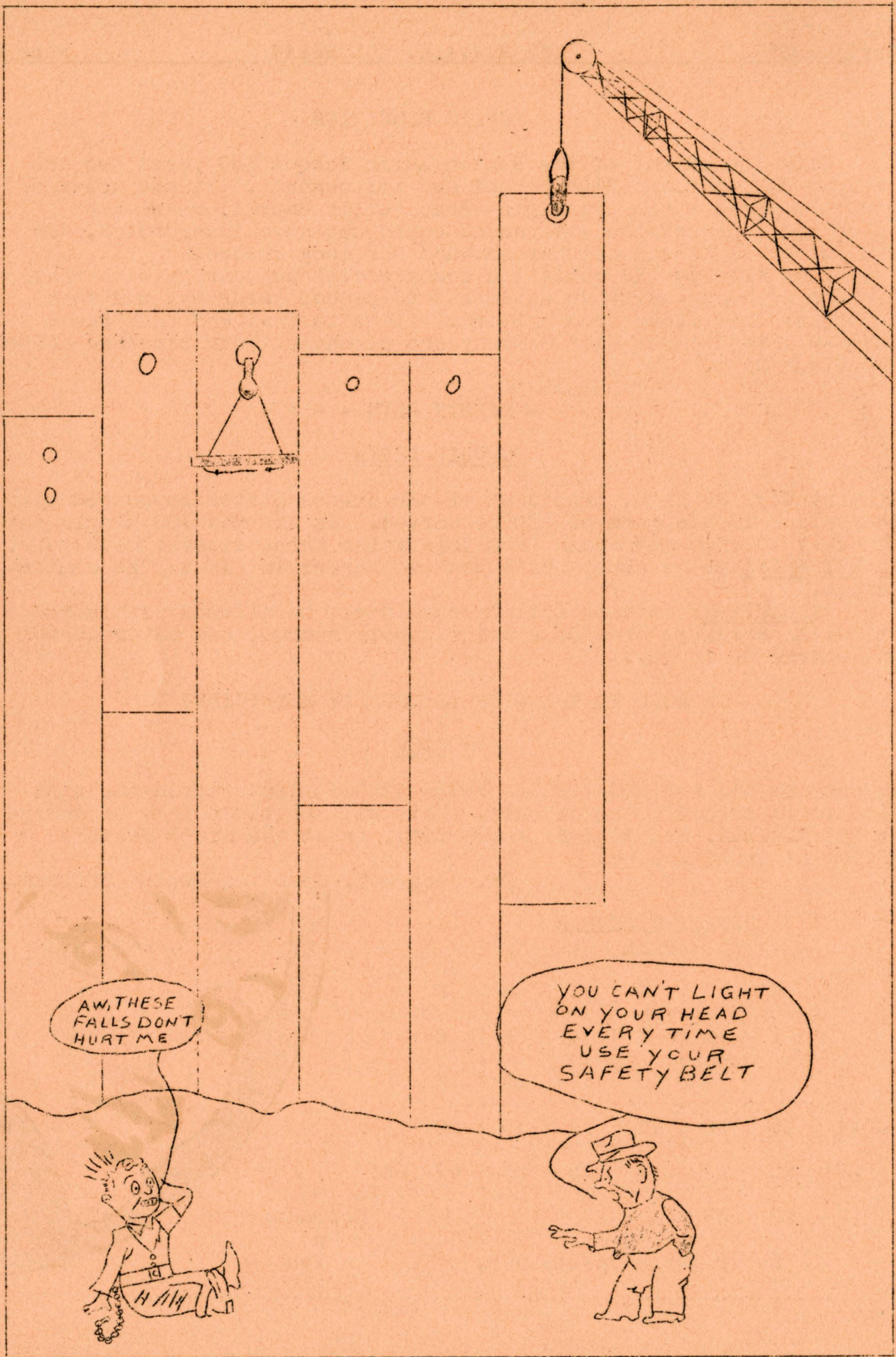
SAFETY CALENDAR
APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Every day a safety day.

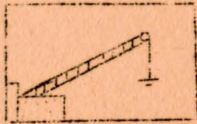
She
Is
Depending
On
You



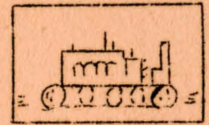


AW, THESE FALLS DONT HURT ME

YOU CAN'T LIGHT ON YOUR HEAD EVERY TIME USE YOUR SAFETY BELT



AROUND THE DAM



MASON CITY P.O. GAINS

From its establishment Dec. 6th, 1934 the Mason City post-office established as a fourth class office has been doing the postal business of a second class office. Its new rating as a 2nd class post-office effective April 1st, will require an enlargement of the office space, additional post office boxes and increased personnel.

THINK SAFETY

DOMESTIC WATER PLANT

The domestic water supply system is equipped with three 500 gal. per minute pumps together with three storage tanks with a total capacity of 350,000 gallons. A pump to storage pipe line together with city water mains, laterals and taps constitutes the mechanical set-up.

Present water consumption averages approximately 325,000 gallons per day. The water is chemically treated at the ratio of .3 parts of chlorine to 1,000,000 parts of water.

AMERICAN LEGION

Mason City American Legion Post #131 under the commandship of Juan Hargrove has been having a grand time this week. Installation ceremonies were under the auspices of the "40 and 8" of Wenatchee post. The bugle corps entertainment was thoroughly enjoyed. In short, the legionaires and their friends of the Grand Coulee project had a Grand time.

We are all celebrating with Pete Wilson his birthday on April 7th, the completion of the W.Cofferdam-How old are you Pete?

TO MEN IN THE DORMITORIES

Non-sanitation in the Camp Living Quarters is a health hazard to you and your fellow workers. Warm weather brings ants and flies which are pests as well as germ breeders and carriers.

Do not throw food or trash around camp; barrels are placed at the end of each cabin for refuse.

Do not keep food in cabins.

Do not make too much noise, some men may be sleeping.

Do not have noisy parties in rooms; also, we have 10 clean modern latrines-Please use them.

Intoxication on the job will not be tolerated.

Any man not complying with above is subject to immediate dismissal.

CITY BEAUTIFUL CONTEST!

Lets make Mason City the most attractive small city in the State. Towards this end and to encourage your interest the M.W.A.K. Co. has offered the following:

First Contest: The resident of a family house in Mason City who in the opinion of the judges, has done the most to beautify his property by planting flowers, shrubs, etc.

Second Contest: Due to the fact some live in sections not so adapted for seeding, prizes will be awarded to residents who have done most to beautify by fences, rock gardens, shrubbery, etc.

Prizes for each contest are:

First - \$25.00 cash.

Second - \$15.00 cash.

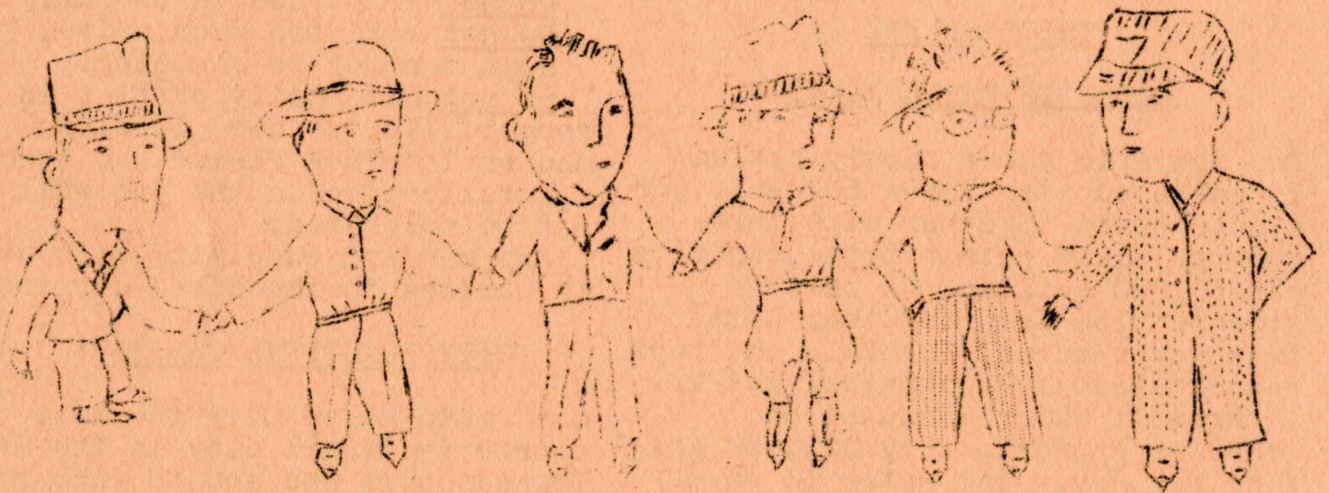
Third - \$10.00 cash.

For more exact particulars call at Mason City Office for rules of the contest.

KEEP HAMMERING AWAY AT SAFETY



ONE-MAN-CAN'T-DO IT



BUT ALL OF US WORKING
TOGETHER CAN

STOP ACCIDENTS

NATIONAL REEMPLOYMENT SERVICE

The N.R.S. under the direction of Captain C. C. Berry is to be commended for the splendid cooperation given in the placement of men at the dam. The selection of men most nearly qualified for the various jobs and positions has had its influence on our safety problems.

SAFETY MEETING

A Safety Meeting was held March 5th for Supts. and Foremen and was attended by approximately 200. Mr. Frank McCann gave a very interesting short talk on geological aspects of the Grand Coulee. Everyone should attend these Safety Meetings.

BASEBALL

More and more baseball fans and players are waxing enthusiastic. The baseball bug is busy. IT WON'T BE LONG NOW!

CONTEST WINNERS

The "Correcting The Hazard Contest" winners were as follows:
 1st Prize - A. K. Murdock #793
 2nd Prize - E. C. Stiles #3079
 3rd Prize - O. A. Hauire #3626
 4th Prize - J. C. Terpening #4043
 Congratulations and please call at Safety Department for your checks.

THINK BEFORE "U" ACTWest Cofferdam Continued

Coulee City, Washington, a distance of thirty miles., nearest railroad at this time.

Over a million feet of timber was used in this construction.

In connection with the driving; four Clydes with 110' booms; 3 stiff legs with 125' booms; 3 skid derricks with 130' sticks; 2 Marions with 100' booms; 2 American Steam Whirleys with 85' booms; 1 Thew Lorraine "75" with 40' boom; 1 with 60' boom; Marion "371" with 60' boom; 1 Marion "450" with 60' boom, and one Bucyrus 50B Diesel with 60' boom, were all in use at one time, and, aside from this equipment, there were three overhead gantries with a capacity of 6 hammers each. Steam for the hammers was supplied by separate power plants with a capacity in excess of 1,400 horse power.

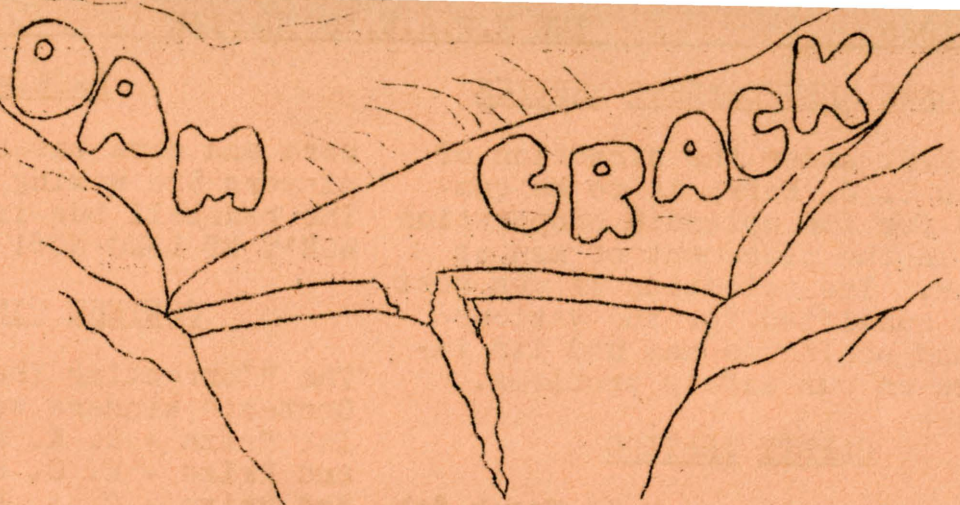
After completion, the 50' x 40' cells are filled by means of a shuttle conveyor, now working (48" belt constructed to move on rails) which enables movement of earth from main conveyor to each cell as necessary. This conveyor has a capacity of 900 yards per hour.

Oxygen for burning was used at the rate of 75 tanks a day, or 4,500 a month, and acetylene was used in about the same proportion. Also, one and one-half miles of steam hose was used on the hammers.

The outside wall length of the complete cofferdam is better than 3,000 feet and, if the piling were placed end to end, it would reach 121 miles.

In conclusions; again, we take off our hats to each and every one of the men whose co:operation and workmanship made this construction feat possible!

Men in charge of this unit were H.L. Myer, General Manager; M.H. Slocum, General Superintendent; R.L. Telford, Cofferdam Engineer; J.O. Foster, Designing Engineer; G.C. Wilson, Cofferdam Superintendent; A.M. Croxon, Assistant Cofferdam Superintendent, and Messrs. W.G. Butler R.V. Weaver and Aaron Burros, General Shift Superintendents. The Electrical Department was under Electrical Superintendent Guy Smith and assisted by D. McKinnel and Jim Devine Master Mechanic had as his chief aid G.W. Allen. Russell Brown, Rigging Superintendent took care of this end of the work.



We understand Jack Walsh had to build an addition to his house over a towel. Ask Jack Hargrove.

The Viewpoint

J. Murray: "You ask high wages for a man with no experience."

Applicant: "Yeah, but it's harder to work when you don't know anything about it."

And then there was the fellow who was so dumb he thought an octopus was an eight-sided cat.

You Couldn't Blame Pat

Foreman: "You're late again this morning, Pat. What's the matter? Didn't your alarm clock go off?"

Pat: "Sure, an' it went off all right but the trouble was it went off while I was asleep."

Short and Snappy

She: "I'm Suzette, Oriental dancer"

He: "Shake!"

Has anyone seen "Madam Butterfly" fluttering around on top of the sheet pilings at the W. Cofferdam? How about it, L. Pittman?

Nurse: "I think he's regaining consciousness, Doctor. He just tried to blow the foam off the medicine."

Time flies! You can't afford to lose any of it because of an accident.

Hints for Him

Is YOUR wife going away for a visit? Let her go. You can get along without a woman in the house. I did. A man can manage easily if he keeps a few things in mind, such as: Wearing two pairs of socks may hide the holes in both.. The cardboards removed from shirts may be arranged around the top of a waste basket so as to make it hold more..An alarm clock placed under the bed will wake you when you bump your head while trying to get at it..An empty golf bag makes an excellent soiled-clothes-annex..If a button is off a shirt, a small piece of adhesive tape on the under side will do the trick.. A heavy towel around a leaky bathroom faucet at night makes the drip noiseless..A niblick is fine for killing mice. All my suggestions were given a recent three-week test and proved valuable without exception.

A man wrapped up in himself makes a very small package.

Correct

The farmer was trying hard to fill out the railway company claim sheet for a cow that had been killed on the G.N. tracks. He came down to the last item: "Disposition of the carcass?"

After puzzling over the question for some time he wrote: "Kind and gentle."