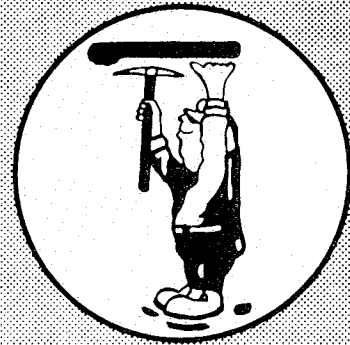


AUGUST 1981



BULLETIN

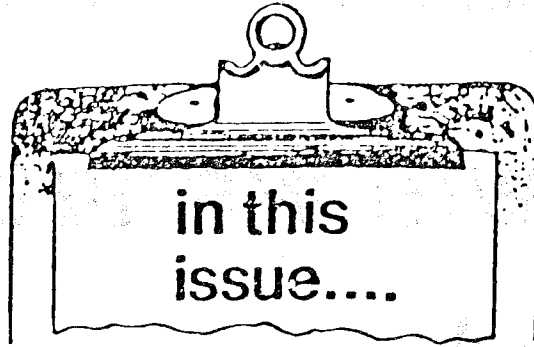


United States Department of Labor

MSHA

Mine Safety and Health Administration

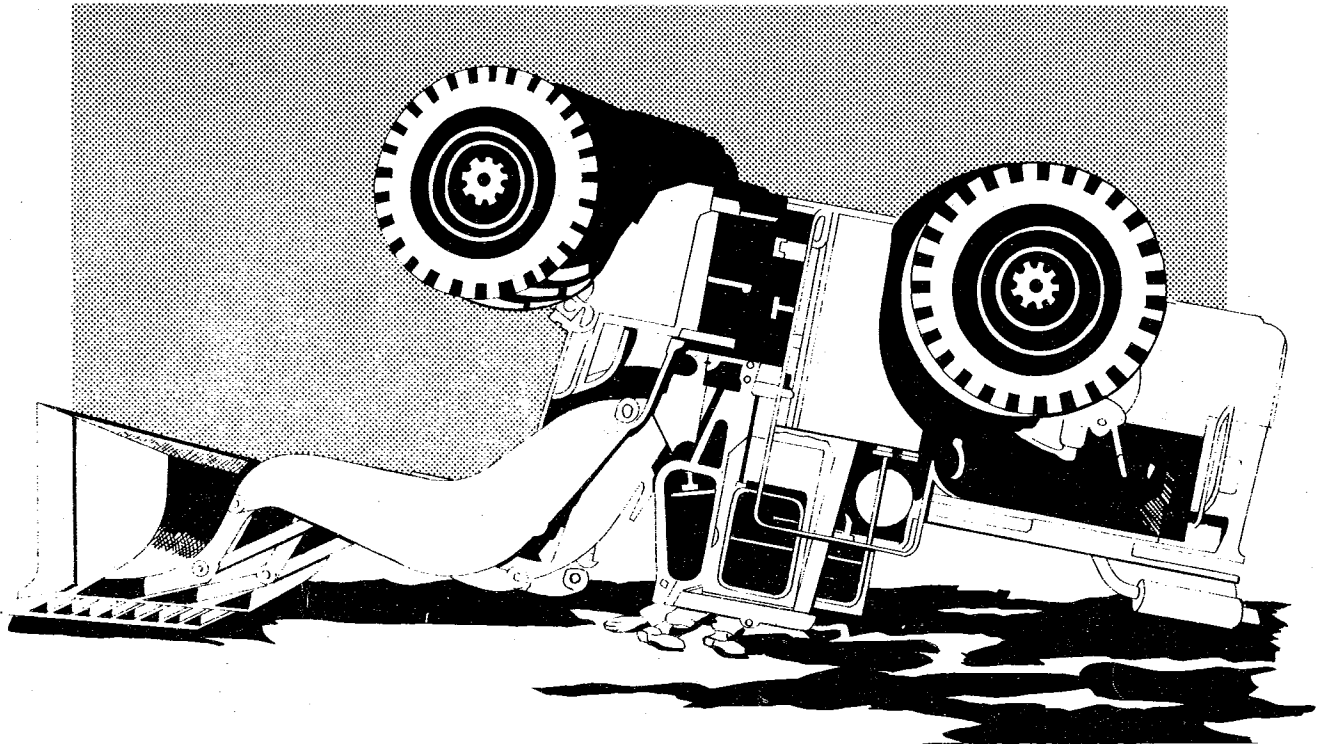
HOLMES SAFETY ASSOCIATION



August 1981

- 1 1. Poster, "Rollover Protection"
- 2 2. Safety Topic, "Pat on the Back for Safety"
- 3 3. Report, "Holmes Safety Association Chapters Established
Second Quarter 1981"
- 11 4. Abstract, "Haulage Accident"
- 12 5. Safety Topic, "Tipples and Preparation Plants"
- 14 6. Letter, "Second Symposium"
- 15 7. Safety Topic, "Fatalities Resulting From Raised Mining
Equipment"
- 23 8. Safety Topic, "Lawn Mower Safety--Know the Rules"
- 24 9. Poster, "The Last Word/Safety Meeting Suggestions"
10. Meeting Report Form (chapters only)

When will we learn that
we need
**ROLLOVER PROTECTION,
SEAT BELTS, AND BERMS.**



MAKE SAFETY

ONE in

- 81 -



August 1981



HOLMES SAFETY ASSOCIATION MONTHLY SAFETY TOPIC

"PAT ON THE BACK" FOR SAFETY

A dozer operator was clearing the surface near the highwall. Heavy rains that day made the surface rain slick. Suddenly, without warning, the dozer began to slip and slide in the direction of the highwall and over it went.

The 40-ton D-9 Caterpillar dozer crashed over the 30-foot highwall, blade first, hit the bottom, and remained in a vertical position on the embedded blade. The CAT operator, unhurt, unhitched himself and opened the door of his ROPS cab, and safely retreated down the CAT tracks.

The D-9 operator was protected by roll-over protection structure, padded seats and cab, hard hat, and a restraining harness. These are all designed to protect the operator. Together, they saved his life! Does safety equipment work? It certainly did in this incident since there were no injuries.

Hats off to James Robinson, CAT operator, for using his provided safety equipment. A special pat on the back to Winston Cline, operator of The Winston Coal Company, Pineville, West Virginia, for providing and installing the needed safety equipment. Mr. Cline has operated his mining company for 26 years without a serious accident and has received many commendations and safety awards.

Do you have an incident to relate that you feel deserves a "pat on the back" for safety? Forward your story to us for submission in the Holmes Safety Association Bulletin where all in the mining industry can appreciate it. These near misses may prevent reoccurrences and possibly save a life or limb.

Submit to:

William H. Hoover, National Secretary
Holmes Safety Association Field Office
Mine Safety and Health Administration
301 West Congress
Tucson, Arizona 85704

SAFETY IS EVERYBODY'S BUSINESS

U = Underground
 S = Surface
 P = Plant

Report of Holmes Safety Association Safety Chapters

Established May - June--1981

1 MSHA
 2 State
 3 Management

Chapter	Mine	Company	Product	U	S	P	Member-ship	Charter No.	City	County	State	Established By	Date	Council Affiliation
Belva	same	Belva Coal Co., Inc.	coal	X	X	X	339	2975	Man	Logan	WV	¹ K Harman ² C Baisden ³ J Hughes	4/1	
Vulcan Materials-Chattanooga	same	Vulcan Materials Company	limestone	X	X		75	2976	Chattanooga	Hamilton	TN	³ BG Clark	4/9	
Reiss Viking	same	Reiss Viking Corp.	iron magnetite			Mill	12	2977	Fairmont	Marion	WV	¹ WC Ensinger ³ R Kisner	4/13	
Federal American Partners	same	Federal American Partners	uranium	X	X		135	2978	Riverton	Fremont	WY	¹ MD Delridge ¹ D Rapp	4/14	
Keystone No. 1	same	Eastern Asso. Coal Corp.	coal	X			424	2979	Keystone	McDowell	WV	³ AJ Hill	4/16	Eastern Associated
Keystone No. 2	same	"	coal	X			301	2980	Herdon	Wyoming	WV	³ AJ Hill	4/16	"
Keystone No. 5	same	"	coal	X			11	2981	Sophia	Raleigh	WV	³ AJ Hill	4/16	"
Kopperston Mines	same	"	coal	X			891	2982	Kopperston	Wyoming	WV	³ AJ Hill	4/16	"
Harris-Hernshaw Mines	same	"	coal	X			853	2983	Bald Knob	Boone	WV	³ AJ Hill	4/16	"
Wharton 2, 6, & 11	same	"	coal	X			169	2984	Barrett	Boone	WV	³ AJ Hill	4/16	"
Wharton No. 4	same	"	coal	X			225	2985	Wharton	Boone	WV	³ AJ Hill	4/16	"
Lightfoot 1 & 2 Mines	same	"	coal	X			291	2986	Wharton	Boone	WV	³ AJ Hill	4/16	"

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1 MSHA

2 State

3 Management

Chapter	Mine	Company	Product	U	S	P	Member-ship	Charter No.	City	County	State	Established By	Date	Council Affiliation
Federal No. 1	same	Eastern Asso. Coal Corp.	coal	X			465	2987	Grant Town	Marion	WV	³ AJ Hall	4/16	Eastern Associated
Federal No. 2	same	"	coal	X			556	2988	Fairview	Monongalia	WV	³ AJ Hall	4/16	"
Joanne	same	"	coal	X			238	2989	Rachel	Marion	WV	³ AJ Hall	4/16	"
Laurel Run Mine	same	"	coal	X			250	2990	Mt. Storm	Grant	WV	³ AJ Hall	4/16	"
Oil-Dri Production	same	Oil-Dri Production Co.	clay		X	MILL	100	2991	Ripley	Tippah	MS	¹ JH Johnson ³ B Stanford	4/20	"
Moretti-Harra Marble	same	Moretti-Harra Marble Co.	cut limestone		X	MILL	200	2992	Sylacauga	Talladega	AL	¹ JH Johnson ³ J Willis	4/21	"
Fairfax Sand & Crushed Stone	same	Fairfax Sand & Crushed Stone Co.	limestone		X		50	2993	Short Gap	Mineral	WV	¹ WC Ensminger	4/20	"
Monolith stone quarry	lime-stone quarry	Monolith Portland Cement Co.	cement		X		155	2994	Monolith	Kern	CA	³ KM Backes	4/23	"
Dravo-Parkersburg	same	Dravo Corp.	sand/gravel			other	58	2995	Parkersburg	Wood	WV	¹ L Byers ¹ A Justice	4/30	"
Golden Oak	same	Golden Oak Coal Co.	coal	X	X		160	2996	Whitesburg	Letcher	KY	¹ DW Moore ¹ G Napier ³ C Carlton	4/30	"
Harrod-Carter	same	Harrod-Carter, Inc.	crushed limestone		X		21	2997	Frankfort	Franklin	KY	¹ DW Moore ¹ G Napier ³ DR Harrod	4/30	"
Lake Coal	same	Lake Coal Co., Inc.	coal		X		44	2998	Roxana	Letcher	KY	¹ DW Moore ¹ G Napier ³ J Howard	4/30	"

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Established May - June--1981

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M & S Coal	same	M & S Coal Co.	coal	X			6	2999	Mayking	Letcher	KY	1 DW Moore 1 G Napier 3 J Howard	4/30	
Ohio River Collieries River	Ohio River	Ohio River Collieries Co.	coal	X			200	3000	Bannock	Belmont	OH	1 BA Gibbs 3 E Angelo	5/1	
Tusco	same	Tusco, Inc.	mining supply			other	6	3001	Price	Carbon	UT	3 D Hanna	5/1	Utah Coal
Coal King-Tarrah Leigh	same	Coal King Corp.	coal	X			10	3002	Sophia	Raleigh	WV	1 KD Harman	5/1	
Coal King-Bonnie Bath	same	" "	coal	X			30	3003	Sophia	Raleigh	WV	1 KD Harman	5/1	
Philpott Coal	Raleigh No. 3	Philpott Coal Corp.	coal	X			24	3004	Raleigh	Raleigh	WV	1 KD Harman	5/1	
Raleigh Six Loadout	same	Raleigh Six Loadout Co.	coal	X			4	3005	Raleigh	Raleigh	WV	1 KD Harman	5/1	
Bentree	Bentree Loadout	The Bentree Co.	coal	X			10	3006	Bentree	Clay	WV	1 KD Harman	5/1	
Bull Dog Mt. Oper	same	Homestake Mining Co.	silver	X			175	3007	Creede	Mineral	CO	1 MD Delridge	5/6	
Marion	same	Marion Fuels Inc.	coal	X			18	3008	Wyatt	Harrison	WV	1 A Justice	5/7	
North Branch	same	Island Creek Coal Co.	coal	X			332	3009	Bayard	Grant	WV	1 AH Blakemore 3 GD Worden	5/13	
Dobbin	No. 1	" "	coal	X			211	3010	Bayard	Grant	WV	1 AH Blakemore 3 GD Worden	5/13	
Upshur Redstone Coal	same	Upshur Redstone Coal Co., Inc.	coal			X	9	3011	Buck-hannon	Upshur	WV	1 AB Justice	5/15	
James W. Perry	same	James W. Perry	coal	X			12	3012	Clarks-burg	Harrison	WV	1 AB Justice	5/15	

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Furr Trucking	same	Furr Trucking	coal/sand			X	8	3013	Burnsville	Braxton	WV	J AB Justice	5/15	
Copen Coal	same	Copen Coal Co.	coal		X		10	3014	Burnsville	Braxton	WV	J AB Justice	5/15	
United	Jane Lew	United Coal Co.	coal		X		20	3015	Jane Lew	Harrison	WV	J AB Justice	5/15	
Daniel Boone	Pioneer	Daniel Boone Coal Co.	coal			X	30	3016	Shinnston	Harrison	WV	J AB Justice 3 AM Shaffer	5/12	
Ten-A-Coal Ledge	Ledge	Ten-A-Coal Co.	coal		X		2	3017	Lumberport	Harrison	WV	J AB Justice	5/13	
Ten-A-Coal Monongah	Monongah	"	coal		X		2	3018	Lumberport	Harrison	WV	J AB Justice	5/13	
Ten-A-Coal Nancy	Nancy	"	coal		X		22	3019	Lumberport	Harrison	WV	J AB Justice	5/13	
Salerno Bros.	same	Salerno Bros. Inc.	coal		X		40	3020	Shinnston	Harrison	WV	J AB Justice	5/14	
Farmers Construction	same	Farmers Construction Co.	coal		X		6	3021	Shinnston	Harrison	WV	J AB Justice	5/14	
Sugar No. 2	same	Preston Energy	coal			X	30	3022	Valley Point	Preston	WV	J L Byers	5/22	
Sunshine	same	"	coal		X		30	3023	Lenox	Preston	WV	J L Byers	5/22	
Big Joe	same	"	coal		X		50	3024	Tunnelton	Preston	WV	J L Byers	5/22	
Avanti	same	"	coal		X		32	3025	Helvetia	Randolph	WV	J L Byers	5/22	
Prime	same	Prime	coal		X		30	3026	Maidsville	Monongalia	WV	J L Byers	5/20	
Lilly Bros.	same	Lilly Bros.	coal		X		30	3027	Maidsville	Monongalia	WV	J L Byers	5/20	
Winner Bros.	No. 6 Pit	Winner Bros. Coal, Inc.	coal			X	6	3028	Frostburg	Allegany	MD	J L Byers	5/13	

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1 MSHA
 2 State
 3 Management

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Winner No. 1	No. 1 Pit	Winner Bros. Coal, Inc.	coal	X			10	3029	Frostburg	Allegany	MD	L Byers	5/13	
Winner No. 5	No. 5 Pit	"	coal	X			6	3030	Frostburg	Allegany	MD	L Byers	5/13	
Winner No. 4	No. 4 Pit	"	coal	X			12	3031	Frostburg	Allegany	MD	L Byers	5/13	
Winner No. 7	No. 7 Pit	"	coal	X			4	3032	Frostburg	Allegany	MD	L Byers	5/13	
Winner No. 3	No. 3 Pit	"	coal	X			10	3033	Frostburg	Allegany	MD	L Byers	5/13	
Winner No. 2	No. 2 Pit	"	coal	X			8	3034	Frostburg	Allegany	MD	L L Byers L A Blakemore	5/13	
D & L Coal	same	D & L Coal Co., Inc.	coal	X			70	3035	Keyser	Mineral	WV	L A Blakemore	5/28	
Elkay No. 1	Elkay 1	Elkay Mining Co.	coal		X		41	3036	Lyburn	Logan	WV	L K Harman 3 M Varrassi	6/1	
Elkay No. 2	Elkay 2	"	coal		X		41	3037	Lyburn	Logan	WV	L J Underwood 3 M Varrassi	6/1	
Elkay No. 3	Elkay 3	"	coal		X		36	3038	Lyburn	Logan	WV	L K Harman 3 M Varrassi	6/1	
Elkay No. 4-A & 4-B	Elkay 4-A & 4-B	"	coal		X		117	3039	Lyburn	Logan	WV	L J Underwood 3 M Varrassi	6/1	
Elkay 5-B	same	"	coal		X		36	3040	Lyburn	Logan	WV	L K Harman 3 M Varrassi	6/1	
Rum Creek Prep Plt.	same	"	coal			X	43	3041	Lyburn	Logan	WV	L K Harman 3 M Varrassi	6/1	
Elkay Central Shop	same	"	coal			shop	44	3042	Earling	Logan	WV	L K Harman 3 M Varrassi	6/1	
Wade 1	same	"	coal			X	83	3043	Taplin	Logan	WV	L J Underwood 3 M Varrassi	6/1	

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Buffalo 5-A	same	Elkay Mining Co.	coal	X			128	3044	Lorado	Logan	WV	1 J Underwood 3 M Varrassi	6/1	
Buffalo #9	same	"	coal	X			72	3045	Lorado	Logan	WV	1 J Underwood 3 M Varrassi	6/1	
Wade Tipple	same	"	coal			X	25	3046	Taplin	Logan	WV	1 J Underwood 3 M Varrassi	6/1	
Wade 3	same	"	coal	X			43	3047	Taplin	Logan	WV	1 K Harman 3 M Varrassi	6/1	
Buffalo #5 Plant	same	Buffalo Mining Co.	coal			X	42	3048	Lorado	Logan	WV	1 K Harman	6/1	
Mark Mine & Plant	Mark	"	coal	X			154	3049	Stonecoal	Wayne	WV	1 K Harman 3 D Hicks	6/1	
Excel No. 1	same	Elkay Mining Co.	coal			X	26	3050	Ethel	Logan	WV	1 K Harman 3 D Hicks	6/1	
Tygart Mining Extension Service	same	Tygart Coal Co.	coal	X			30	3051	Linn	Lewis	WV	1 L Byers	6/2	
Miami Coal	same	Miami Coal Co.	coal			other	25	3052	Morgan-town	Monon-galia	WV	1 L Byers	6/2	
Mountaineer Mining Studies	same	Mountaineer Mining Studies	teaching	X			10	3053	Fairmont	Marion	WV	1 L Byers	6/2	
Crawford County Stone	same	Crawford Cty. Stone Corp.	crushed limestone			X	20	3054	Morgan-town	Monon-galia	WV	1 L Byers	6/2	
Mt. Gunnison Mine #1	same	ARCO	coal	X			20	3055	Leaven-worth	Crawford	IN	1 G LaLamodiere 3 LB Allen	6/5	
National Training	same	National Training	teaching			other	60	3056	Paonia	Gunnison	CO	1 MD Delridge	6/8	
T & T-- #2 Mine	#2	T & T Coals, Inc.	coal	X			2	3057	Sparks	Washoe	NV	1 MD Delridge	6/9	
							28	3058	Bruceton Mills	Preston	WV	1 L Byers	6/9	

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T & T-- #3 Mine	#3	T & T Coals, Inc.	coal	X			36	3059	Bruceston Mills	Preston	WV	1 L Byers	6/9	
Mountain State Safety Services		Mountain State Safety Services	teaching			other	5	3060	Morgan-town	Monongalia	WV	1 L Byers	6/9	
Oakwood	same	Cowin & Co., Inc.	coal	X			120	3061	Oakwood	Buchanan	VA	3 JC Dowling	6/15	
Schwartz-walder	same	Cotter Corp.	uranium	X			200	3062	Golden	Jefferson	CO	1 MD Delridge 3 J Powers	6/15	
Cotter Mill	same	"	uranium/ vanadium			mill	100	3063	Canon City	Fremont	CO	1 MD Delridge 3 J Powers	6/15	
Cotter Lakewood	same	"	uranium			other	20	3064	Lakewood	Jefferson	CO	1 MD Delridge 3 J Powers	6/16	
Cotter Nucla	same	"	uranium/ vanadium	X			25	3065	Nucla	Montrose	CO	1 MD Delridge 3 J Powers	6/16	
Newlin Creek Mine	same	Newlin Creek Mine, Ltd.	coal	X			42	3066	Florence	Fremont	CO	1 MD Delridge	6/18	
Dorchester #1 Mine	same	Dorchester Coal Co.	coal	X			85	3067	Florence	Fremont	CO	1 MD Delridge	6/19	
H & H Coal	#1	H & H Coal Co.	coal	X			12	3068	Kingwood	Preston	WV	1 AB Justice	6/23	
Eagle #5	same	Big Bear Mining Co.	coal	X			55	3069	Lynco	Wyoming	WV	1 D Farley 2 E Jarvis 3 V Cantrell	6/24	
United Coals	same	United Coals, Inc.	coal			X	16	3070	McWhorter	Harrison	WV	1 AB Justice	6/26	
Reimer	Boone Run	PBS Coals, Inc.	coal			X	50	3071	Johnstown	Cambria	PA	1 RE Schrock	6/27	
Bright Coal Underground	same	Bright Coal Co.	coal			X	21	3072	Whites-burg	Letcher	KY	1 DW Moore 1 G Napier 3 J Howard	6/27	

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Bright Coal Surface	same	Bright Coal Co.	coal	X			15	3073	Whitesburg	Letcher	KY	1 DW Moore 1 G Napier 3 J Howard	6/27	
Caudill Brothers	same	Caudill Bros. Coal Co.	coal	X			20	3074	Whitesburg	Letcher	KY	1 DW Moore 1 G Napier 3 J Howard	6/27	
Everidge & Nease Coal	same	Everidge & Nease Coal Co.	coal		X		25	3075	Whitesburg	Letcher	KY	1 DW Moore 1 G Napier	6/27	
N. & F. Coal	same	N. & F. Coal Co., Inc.	coal	X			20	3076	Whitesburg	Letcher	KY	1 DW Moore 1 G Napier 3 J Howard	6/27	
Greer Limestone	same	Greer Limestone Co.	Limestone	X		mill	50	3077	Greer	Monongalia	WV	1 L Byers	6/30	

Chapters established this quarter -- 103
 Membership -- 9,581

Total chapters to date -- 1,635
 Membership 231,838

ABSTRACT FROM FATAL ACCIDENT

August 1981

HOLMES SAFETY ASSOCIATION
MONTHLY SAFETY TOPIC

Haulage Accident



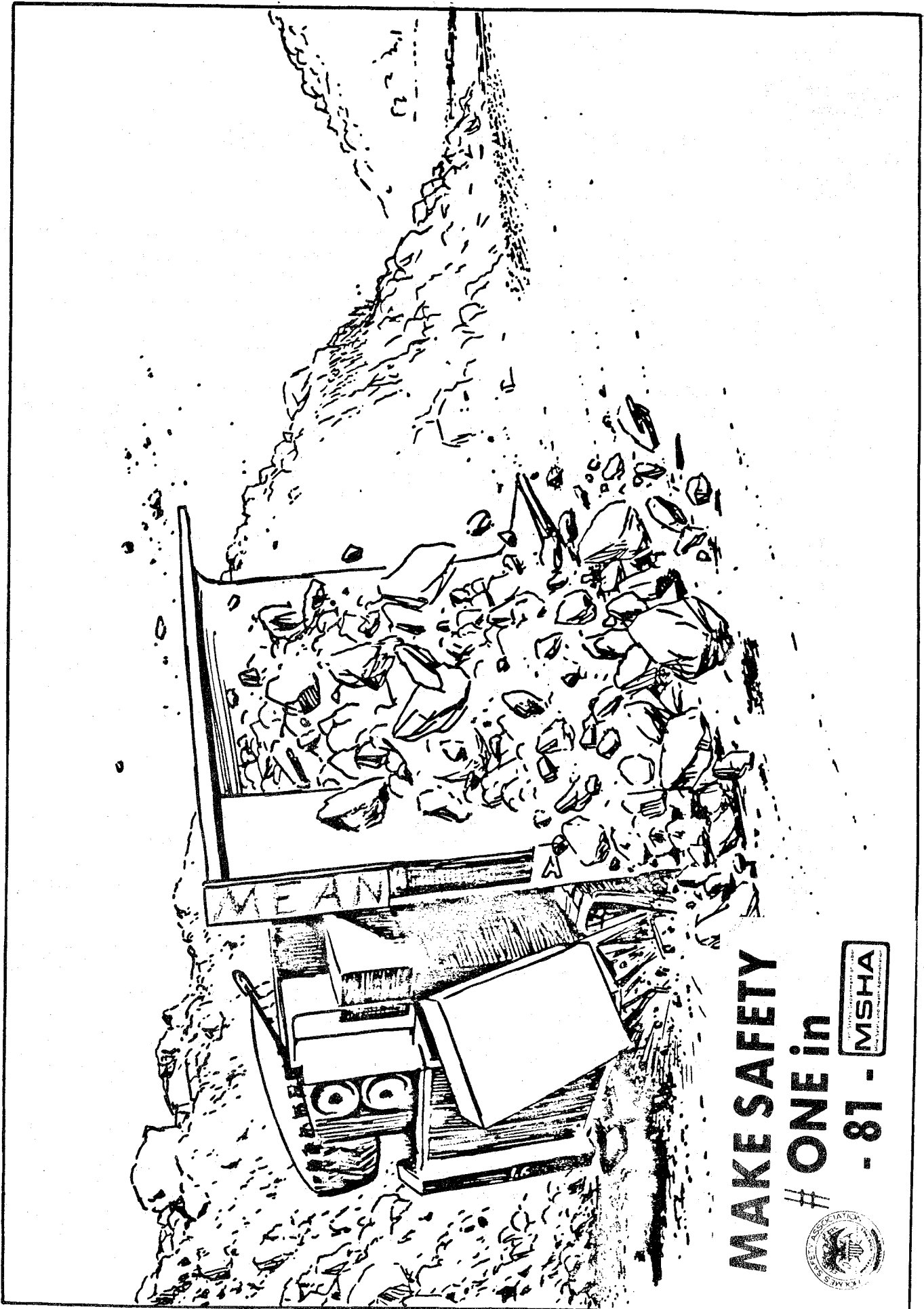
General Information: A truck driver was fatally injured while operating a Lectra-Haul truck, when it went out of control, climbed an 8-foot haulage road berm, then flipped over onto its side, landing on the haulage road. The operator had nine years of mining experience, six months on this equipment. The ore was being mined from the bench, loaded by shovels, then trucked to the crusher.

Description of Accident: On the day of the accident, the victim reported for work at his regular starting time and began his regular duties as a truck driver. This was the first time the victim had operated this particular truck. About one hour later, the base coordinator received a message from the rig that he had lost dynamics. At that time, the operator was on the mail haulage road with a full load of ore (approximately 93 tons). The coordinator answered with instructions to take it approximately 4,000 feet to a stockpile area. The operator asked the coordinator if he could use service brakes but was not heard as the coordinator was busy informing pit control that the rig would be sliding into the stockpile area. A few minutes later, the rig was reported on its side. Two truckdrivers arrived on the scene within minutes and called for help; however, the driver was pronounced dead at the scene.

Cause of Accident: The direct cause of the accident was the failure of the company to maintain the dynamic retarder and service brakes in proper operating condition so that the truck could be brought to a safe controlled stop. Contributing causes were:

1. The failure of the company to maintain a continuous outer edge berm on the elevated haulage road.
2. The failure of the company to ensure the truck was in safe operating condition prior to the start of work shift.
3. The failure of the company to inform the truck driver to bring the truck to a complete stop when the emergency was known.
4. The failure of the company to give the truck driver proper retraining in safety inspection of the truck prior to operation.
5. The failure of the company to post proper warning signs on the decline haulage road.
6. The failure of the company to give training and instruction on emergency stops and when to recognize a runaway truck.
7. The failure of the operator to recognize and take immediate action when the dynamic retarder system failure to operate.

(For use in surface mining operations)



MAKE SAFETY

ONE in



- 87 -

August 1981



HOLMES SAFETY ASSOCIATION MONTHLY SAFETY TOPIC

Tipples and Preparation Plants

Most mines are equipped with some sort of tipple. This is usually a structure through which the entire output of the mine passes and is eventually dumped into railroad cars, autotrucks, or barges. Much of the production passes through elaborate structures and is subjected to various types of sizing and cleaning. There are several hazards found in tipples and preparation plants.

Adequate safeguards must be provided for tipples and preparation plants against fire and explosion. Fires may be started by the arcing of open-type motors, switches, starters, and by faulty wiring. To minimize the fire hazards of electrical origin, all wiring or circuits for electric motors, switches, and controls should be installed in conduit or on suitable insulators.

Stoves or other heating devices should be installed in a suitable manner. Open fires or salamanders should not be used. Steam or hot-water heat is preferable; no radiators or piping should be near combustible material or present stumbling and contact hazards.

Accumulations of dust constitutes an explosion hazard. Explosions are usually followed by fires. To reduce the explosion hazard, dust accumulations should be removed at frequent intervals, preferably at the end of each shift or more often, if necessary.

Dust in suspension should be allayed with water, suitable wetting agents or an effective dust-collecting system.

All walkways should have adequate lighting. Floor openings should be provided with toeboards and guardrails. Stairways should be provided with suitable handrails; the risers should be of uniform height to permit easy climbing and the treads should be of uniform width to permit good footing.

Wooden floors and walkways in tipples often absorb oil and grease and increase the flammability of the structure. Concrete and steel construction is fire resistant and is much easier to keep free of oil and grease. With the removal of slippery substances, fire hazards, slipping, and stumbling are greatly reduced. The safety of the workers is safeguarded and the possibility of interruption of operation is decreased.

When mined products are dumped directly into the railroad cars by means of chutes, there is always a possibility of a lump striking the employee stationed at the brake wheel to control the movement of the railroad car. Safe procedure requires the use of two railroad cars coupled together so that the movement of the cars can be controlled by operating the brake wheel on the car farthest from the chute.

A car retarder can also be used to control railroad car movement; employees should stay in the clear in case the retarded cable or hook should break or slip. Employees should be instructed and required to stay at least 10 feet from a car being loaded. Notices should be posted, warning persons to keep clear.

Employees working in or around tipples or preparation plants exposed to the hazards of flying particles should wear safety goggles. Those working in dusty atmospheres should wear suitable respirators. Where oil is used to allay dust, those exposed to the oil fumes and mist should wear permissible respirators, and oil sprags should be installed at safe distances from all possible sources of ignition.

Cutting and welding in tipples or preparation plants should preferably be done when the plant is idle. Such work should not be done in a dusty atmosphere. All dust accumulations should be cleaned up and a fire extinguisher should be readily available. Welding or cutting should not be done in coalbins or other storage enclosures until it has been thoroughly wetted down to prevent dust from being thrown into suspension. A good practice is to make a thorough examination after welding or cutting to assure that a fire has not been started by hot flying particles.



II INTERNATIONAL SYMPOSIUM: TRAINING IN THE PREVENTION OF OCCUPATIONAL RISKS IN THE MINING INDUSTRY

November 8-13, 1981

Washington, D.C.

Planning Committee

Arthur Baker, III
University of Nevada-Reno

George R. Bockosh
U.S. Bureau of Mines

Jerrold G. Campbell
National Mine Service

Valentine Cullen, III
Mine Safety and Health Administration

Janet D. Earhart
Mine Safety and Health Administration

John H. Gray
Island Creek Coal Company

A. Bennett Hill
International Union of Operating
Engineers

Cherie A. Hutchison
Mine Safety and Health Administration

Murray Jacobson
Mine Safety and Health Administration

Gerald H. Johnson
Anamax Mining Company

Robert H. Kerner
American Electric Fuel Supply

Patricia C. Kuhn
Mine Safety and Health Administration

Frank J. Laird, Jr.
Anaconda Company

Joseph A. Lamonica
Mine Safety and Health Administration

Ray Light
Mine Safety Appliances Company

Robert J. Lohr
Bethlehem Steel Corporation

J. Richard Lucas
Virginia Polytechnic Institute

Robert A. Malone
Kennecott Minerals

Zdenek Matusek
Scientific Coal Research Institute
(Ostrava-Radvanice, Czechoslovakia)

Fazlollah L. Misaqi
National Mine Health and Safety Academy

George H. Pudlo
Consolidation Coal Company

Raja V. Ramani
Pennsylvania State University

Samuel R. Sappo
Mine Safety and Health Administration

Thomas L. Savage
West Virginia University

Joe Taylor
United Mine Workers of America

Harry Tuggle
United Steelworkers of America

Janice W. Tyler
Mine Safety and Health Administration

Thomas Utley
Peabody Coal Company

Alan Wampler
National Photographic Laboratory

W. Vernon Weaver
Mine Safety and Health Administration

Alan Weed
Freeman United Coal Mining Company

Frank H. Zimmerman
National Gypsum Company

Dear H.S.A. Chapter Member:

On behalf of the Planning Committee, I cordially invite you to attend the II International Symposium on Training in the Prevention of Occupational Risks in the Mining Industry, November 9-13, 1981, at the Shoreham Hotel in Washington, D.C.

Excellent papers on mining health and safety/education and training/accident prevention will be presented by representatives from the United Kingdom, Canada, Federal Republic of Germany, Czechoslovakia, U.S.S.R., Taiwan, South Africa, Poland, and the United States. In addition, an exposition, film and poster festival, welcoming reception, banquet, spouses program, and Eastern Post-Symposium Field Trip will be held.

If you desire more information regarding this Symposium, please write to the following address for a copy of the Preliminary Program:

Mine Safety Training
Symposium Headquarters
Suite 700, 1629 K Street, N.W.
Washington, DC 20006, U.S.A.

We look forward to seeing you in November!

Sincerely,

Samuel R. Sappo
Chairman

August 1981



HOLMES SAFETY ASSOCIATION MONTHLY SAFETY TOPIC

Fatalities Resulting from Raised Mining Equipment

Repairing or working under, over, or between raised mining equipment occurs frequently at coal mines. This activity has become routine and common work for most miners. The continued occurrence of accidents while performing this type of work indicates the need to reemphasize proper work practices.

From 1973 through 1980, failure to block or secure raised mining equipment resulted in 22 coal mine fatalities. This type of accident has increased during the last two years.

Both Part 75 and Part 77, Title 30, Code of Federal Regulations, contain mandatory safety standards which state:

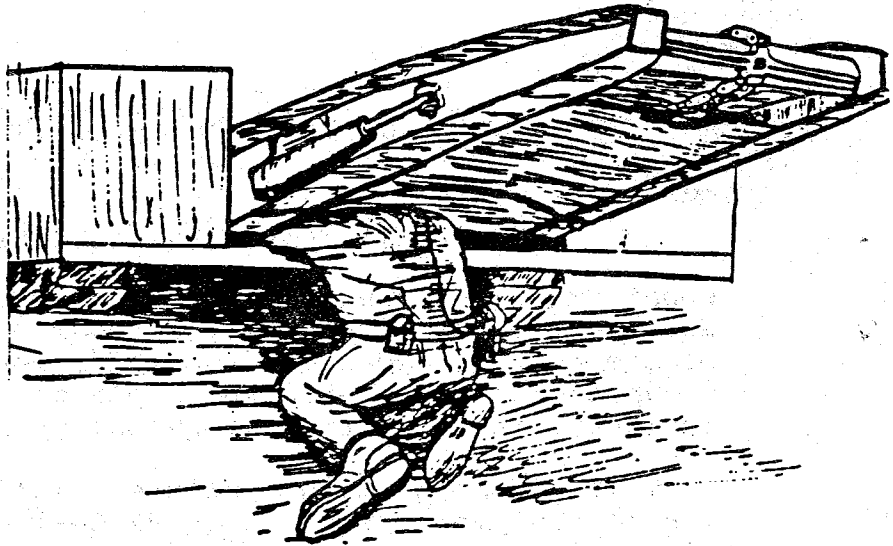
No work shall be performed under machinery or equipment that has been raised until such machinery or equipment has been securely blocked in position.

Raised, elevated, and unsecured equipment must be securely blocked to prevent movement before miners position themselves under or between moveable components of the equipment. Occasionally more than one component location on a machine must be blocked. Blocking material must be capable of supporting the weight of the equipment or component. Wood used for blocking material must be solid and should be flat sided. Most equipment can be safely blocked with a wooden crib. The crib should be installed on a solid footing and wedged tightly to the machine to prevent any initial movement that could dislodge the blocking.

Following are abstracts of the 22 fatalities previously mentioned that resulted from failure to block or secure raised equipment.

January 29, 1973

While repairing a hydraulic leak on a continuous mining machine, a mechanic positioned himself between the raised unblocked conveyor tail boom and the bumper. The hose ruptured, permitting the boom to fall, crushing the victim.
(underground)

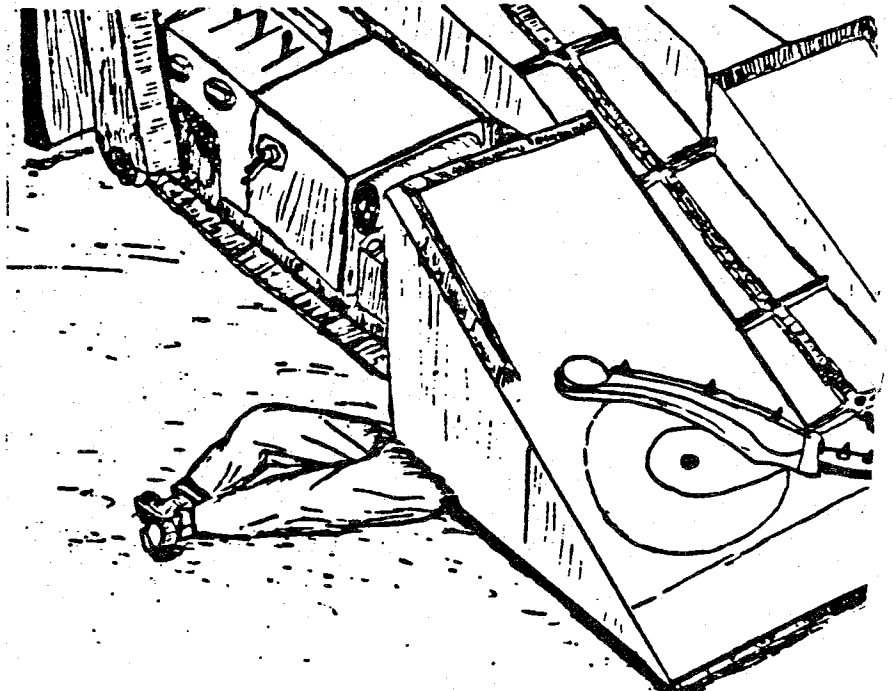


September 21, 1973

While removing the bolts supporting a swing pinion gear in a dragline, an employee positioned himself under the unblocked gear. When the last bolt was removed, the gear fell crushing the victim.
(surface)

November 30, 1973

An employee positioned himself under a raised unblocked head of a loading machine to remove the drain plug in a loading arm pot. Another employee accidentally hit the loader head control lever causing the head to fall, crushing the victim.
(underground)

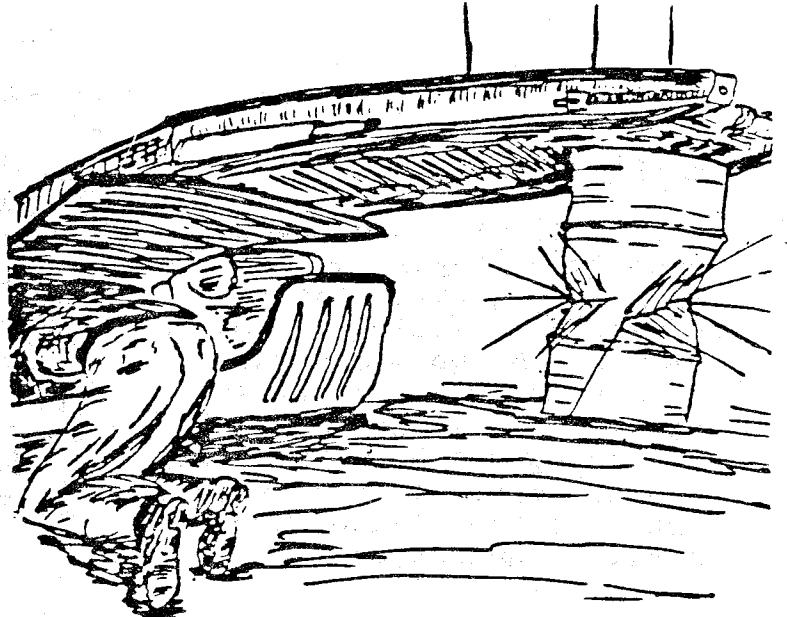


April 8, 1974

While servicing a crawler tractor (bulldozer) in the surface maintenance yard, an employee positioned himself between the hydraulic cylinders used to control the ripper on the tractor. Another employee entered the cab and accidentally hit the ripper control lever, permitting the ripper to fall. The cylinders squeezed the victim, causing fatal injuries. (surface)

September 24, 1974

An employee positioned himself between a raised conveyor boom and the bumper of a loading machine to repair the hydraulic system. The boom was improperly blocked with a 55-gallon drum. The boom fell, crushing the drum and the victim. (underground)



January 10, 1975

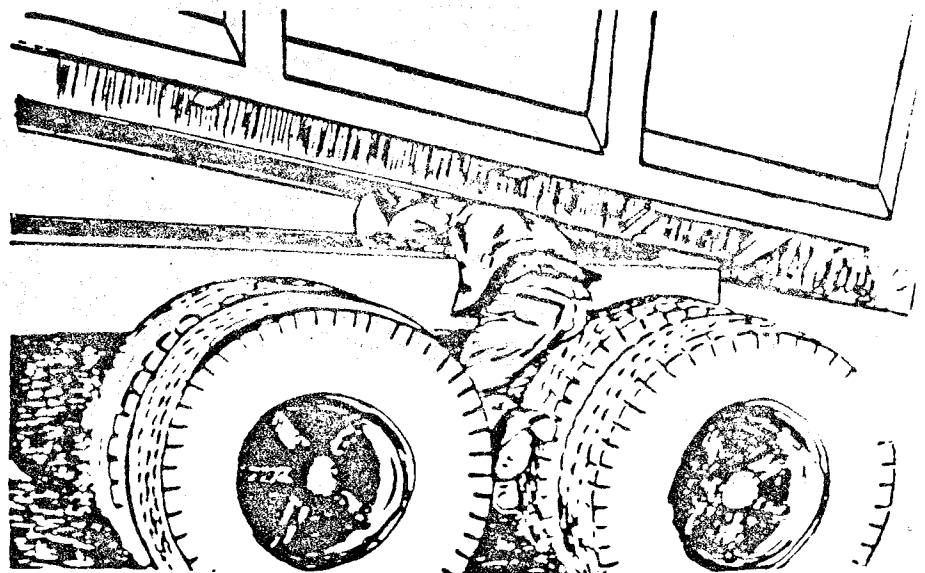
A mechanic positioned himself under a raised, unblocked loading machine conveyor boom to tighten a hydraulic fitting. The boom fell, crushing the victim. (underground)

January 4, 1976

During the installation of a new shaft for the drag drum and gear on a drag line, a welder positioned his head between the unblocked drum and gear. The drum moved, crushing the victim's head. (surface)

April 20, 1976

A truckdriver positioned himself between the raised unblocked truck bed and the frame to repair the universal joint between the tandem axles. The bed fell, crushing the victim. (surface)



September 3, 1976

A jacksetter was fatally crushed under the forward portion of a longwall chock canopy. The victim was removing loose material under the raised chock base when the single block supporting the canopy dislodged. (underground)

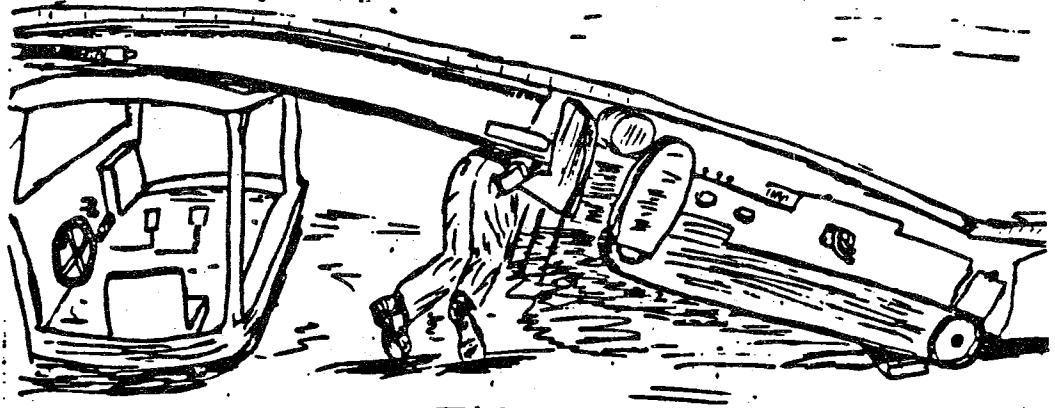
April 8, 1977

After blocking the loading machine conveyor boom on the side of a shuttle car, a repairman positioned himself between the boom and the bumper to repair a hydraulic fitting. The fitting broke, releasing the boom pressure; causing the bumper to come up, crushing the victim into the boom. (underground)



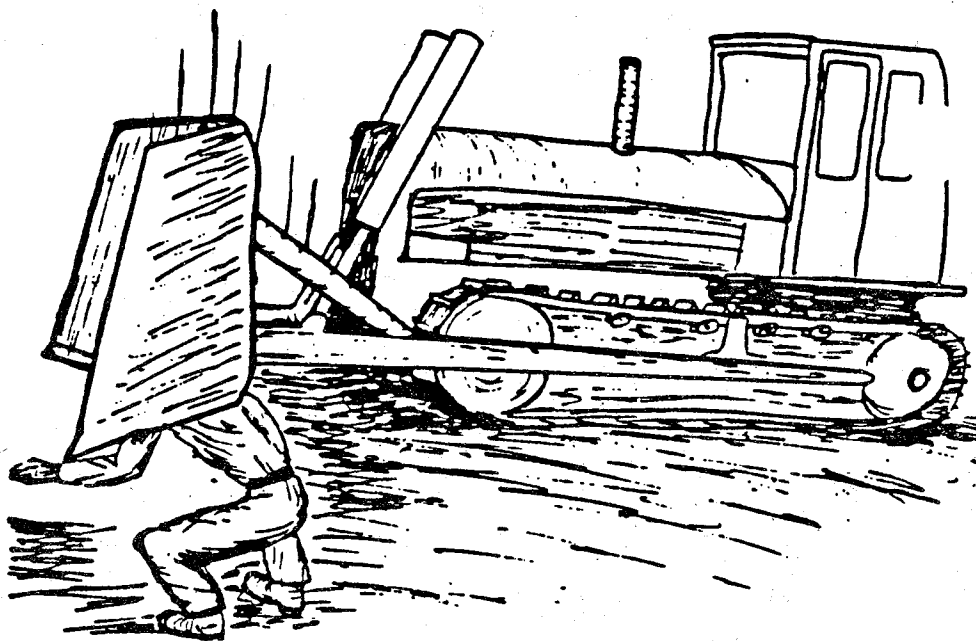
August 30, 1977

A loading machine was elevated on wooden blocks with the conveyor boom resting on another machine. A repairman was working between the boom and the bumper when the hydraulic pressure to the boom jacks was released. The rear frame moved upwards, crushing the victim. (underground)



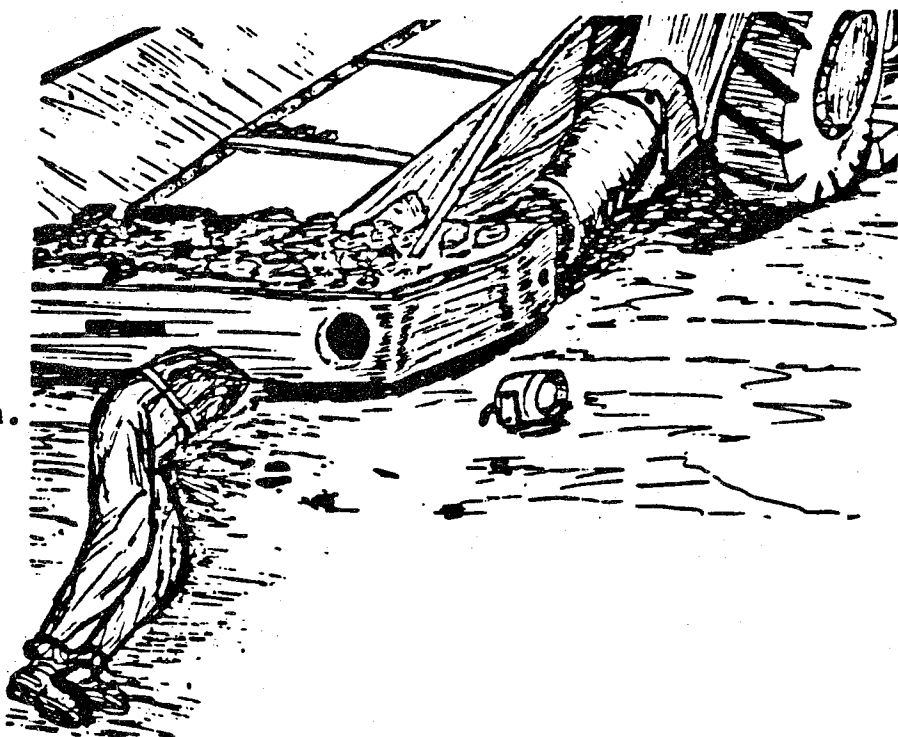
May 22, 1978

A mechanic positioned himself under a raised unblocked dozer blade to tighten the corner bit bolts on the blade. The dozer operator inadvertently hit the dozer blade control, causing the blade to fall, crushing the victim. (surface)



August 16, 1978

While under a raised continuous miner cutting head, a mechanic trainee was attempting to insert a cutting jack hinge pin when the material used to block the head dislodged. The cutting head fell, crushing the victim. (underground)

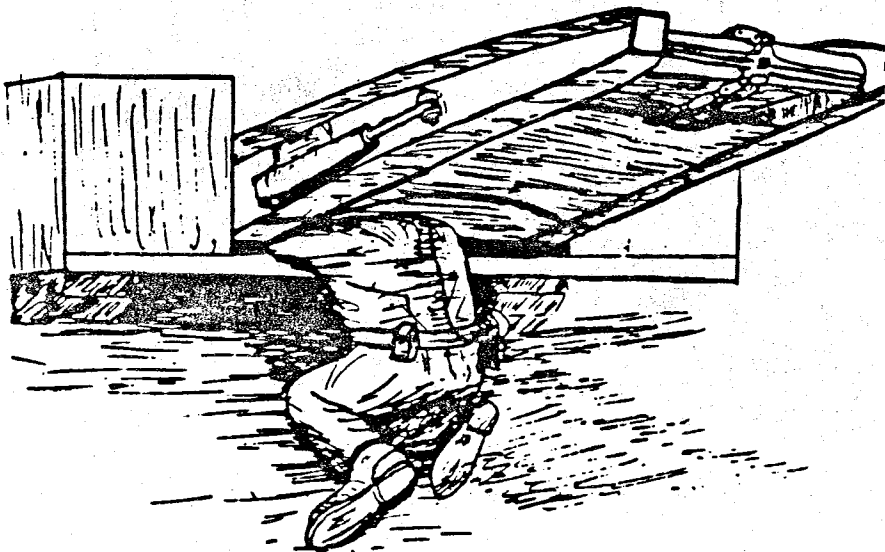


January 20, 1979

An electrician was welding under a shuttle car that was on wooden blocks. The shuttle car rolled off the blocks, crushing the victim. (underground)

July 23, 1979

A repairman positioned himself under a raised continuous mining machine cutting head that was blocked with two vertical posts. The blocking material dislodged, causing the head to fall, crushing the victim. (underground)



July 30, 1979

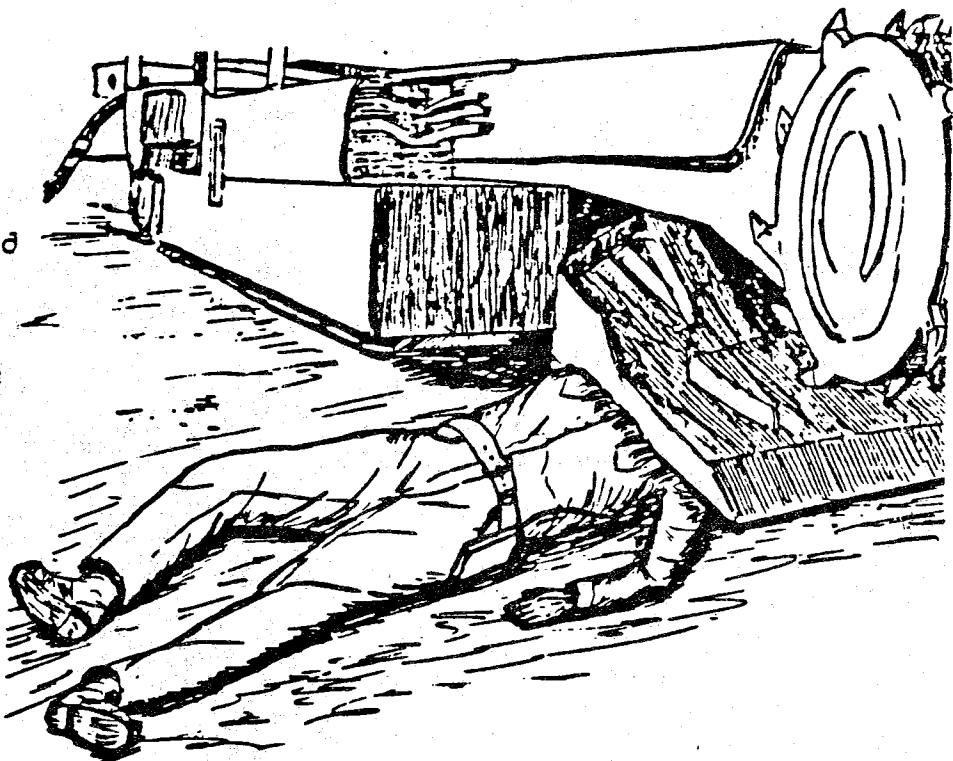
While attempting to locate a hydraulic oil leak, a mechanic positioned himself between a raised unblocked continuous miner conveyor boom and bumper. The boom fell, crushing the victim. (underground)

October 19, 1979

A repairman was working under a raised loading machine head that was blocked with cinder blocks. The head fell, crushing the blocks and the victim. (underground)

February 7, 1980

An electrician positioned himself under a raised unblocked continuous mining machine gathering head while the hydraulic system was being operated to keep the head elevated. A relief valve in the system opened, permitting the gathering head to fall, crushing the victim. (underground)



March 17, 1980

A maintenance foreman, looking for a hydraulic oil leak, positioned himself under a raised, unblocked continuous mining machine cutting head. Another employee uncoupled a hydraulic hose to the head, causing the head to fall, crushing the victim. (underground)

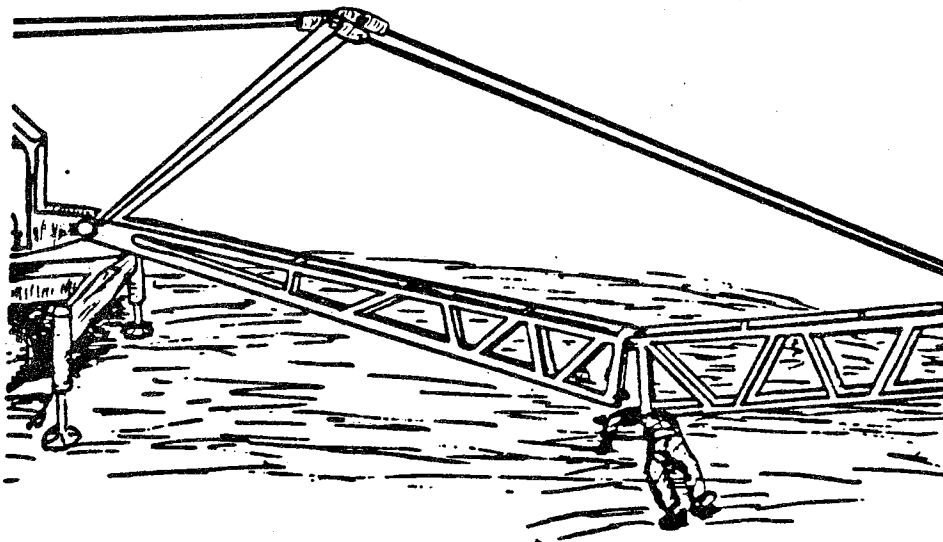


June 6, 1980

A master mechanic was under a raised automobile in a surface shop when the device suspending the automobile broke. The car fell and fatally injured the victim. (surface)

September 19, 1980

A welder crawled under a suspended, unblocked crane boom to remove the second lower hinge pin so the boom could be lengthened. The pin came out, permitting the sections to part, crushing the victim under the boom. (surface)



October 13, 1980

While repairing a longwall chock on the surface, an employee positioned himself between the raised, unblocked caving shield and the chock base. Another employee removed a hydraulic hose to the control valve bank causing the shield to fall, pinning the victim between the shield and the chock base. (surface)



August 1981

HOLMES SAFETY ASSOCIATION MONTHLY SAFETY TOPIC

Lawn Mower Safety--Know the Rules

As a lawn mower user, are you a safe driver?

According to Outdoor Power Equipment Institute figures, more than 90 percent of lawn mower accidents are caused by human error. For your safety, keep in mind the following:

Before you start to mow, clear your lawn of sticks, stones, wire, and other debris that could be thrown by the blade.

Check all nuts, bolts, and screws on the machine often to be sure it is in safe operating condition.

Wear close-fitting clothing and shoes that offer some measure of protection.

When starting a mower, stand clear of the discharge opening and make sure you have a firm footing.

Keep bystanders and pets at a safe distance.

Never allow anyone to operate your mower without receiving full operating instructions.

Never cut grass by pulling the mower towards you.

Be extra careful of your footing on slopes; mow across slopes, starting from the top.

Never use a power mower when the grass is wet.

Add fuel only to a cool engine and never when it is running or in an area where carbon monoxide fumes can collect.

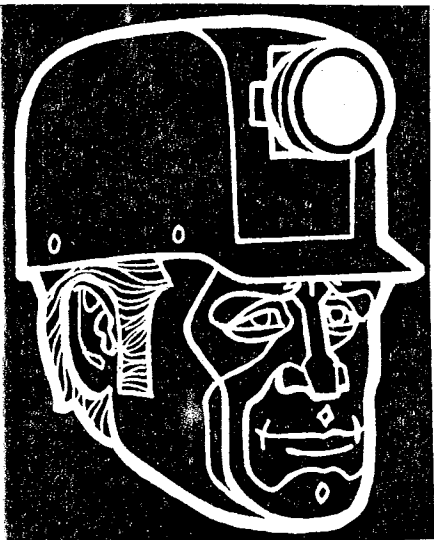
With electric mowers, be sure that the switch is off before you plug in the cord. Use only a grounded power cord of a suitable gauge for the required amount of current.

THE LAST WORD



- Wear proper protection
- Size up the job
- Lift with your legs, not your back
- Watch for slipping and tripping hazards
- Get help with oversize and heavy loads

WATCH THE
ROOF



MAKE SAFETY
ONE in
- 81 -

