



MFG: WISDOM COMPANY
NAME: FERRIS WHEEL
TYPE: ~~KIDIE~~
NON-KIDIE

U.S. CONSUMER PRODUCT SAFETY COMMISSION

WASHINGTON, D.C. 20207

28 MAY 1985

IMPORTANT SAFETY NOTICE CONCERNING CONVERTED FERRIS WHEELS

Dear Ferris Wheel Ride Owner:

The U.S. Consumer Product Safety Commission is a federal regulatory agency established pursuant to the Consumer Product Safety Act, to protect the public against unreasonable risks of injury associated with consumer products.

As you may be aware, an accident recently occurred involving a ferris wheel originally manufactured by Eli Bridge Company as a permanent ride and modified by Ferris Wheel, Inc., Mercedes, Texas for use as a mobile ride. In modifying this ride, the space between the pulley system and the cars on the ride was apparently reduced.

The accident involved a five year old girl who, while seated during the ride, was apparently able to place her foot in the cable/pulley drive system of the ferris wheel. In doing so, her foot became entrapped by the cable and she was pulled from her seat into the cable/pulley system, causing serious bodily and internal injuries.

In discussing the problem with a number of State amusement ride inspectors and the Commission's own technical staff, we believe the problem may be eliminated by installation of a guard or shield which would prevent access to the cable drive system by riders' arms or legs. In addition it has also been brought to our attention that a number of these rides as well as other ferris wheels may not contain a hair guard. The hair guard should be installed so as to prevent entrapment of a rider's hair in the rides pulley system.

Your name has been provided to us by Ferris Wheel, Inc. as being an owner of a ferris wheel that has been converted. We are providing this information to you so that adequate actions can be undertaken if they haven't already to prevent future injuries.

Attached to this letter are a series of drawings depicting the ferris wheel in question and detailing the type of guard which may be appropriate to correct the entanglement hazard. These drawings can be used to assist you in your development and installation of a guard or shield. Also attached is a form which should be completed and returned to me in the self-addressed stamped envelope stating what action you intend to take.

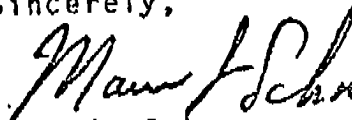
This form should be returned within 14 days from your receipt of this letter. We urge you to take the appropriate corrective action measures immediately and not use your converted ferris wheel until a guard or shield is installed.

You should be aware that Commission field office investigators may be following up with you to ensure appropriate corrective action measures are undertaken. We will also be forwarding copies of this letter to the appropriate state amusement ride inspectors.

If you have any questions or care to discuss our recommendation further, please feel free to contact me on 301-492-6608.

We appreciate your assistance on behalf of consumer safety.

Sincerely,

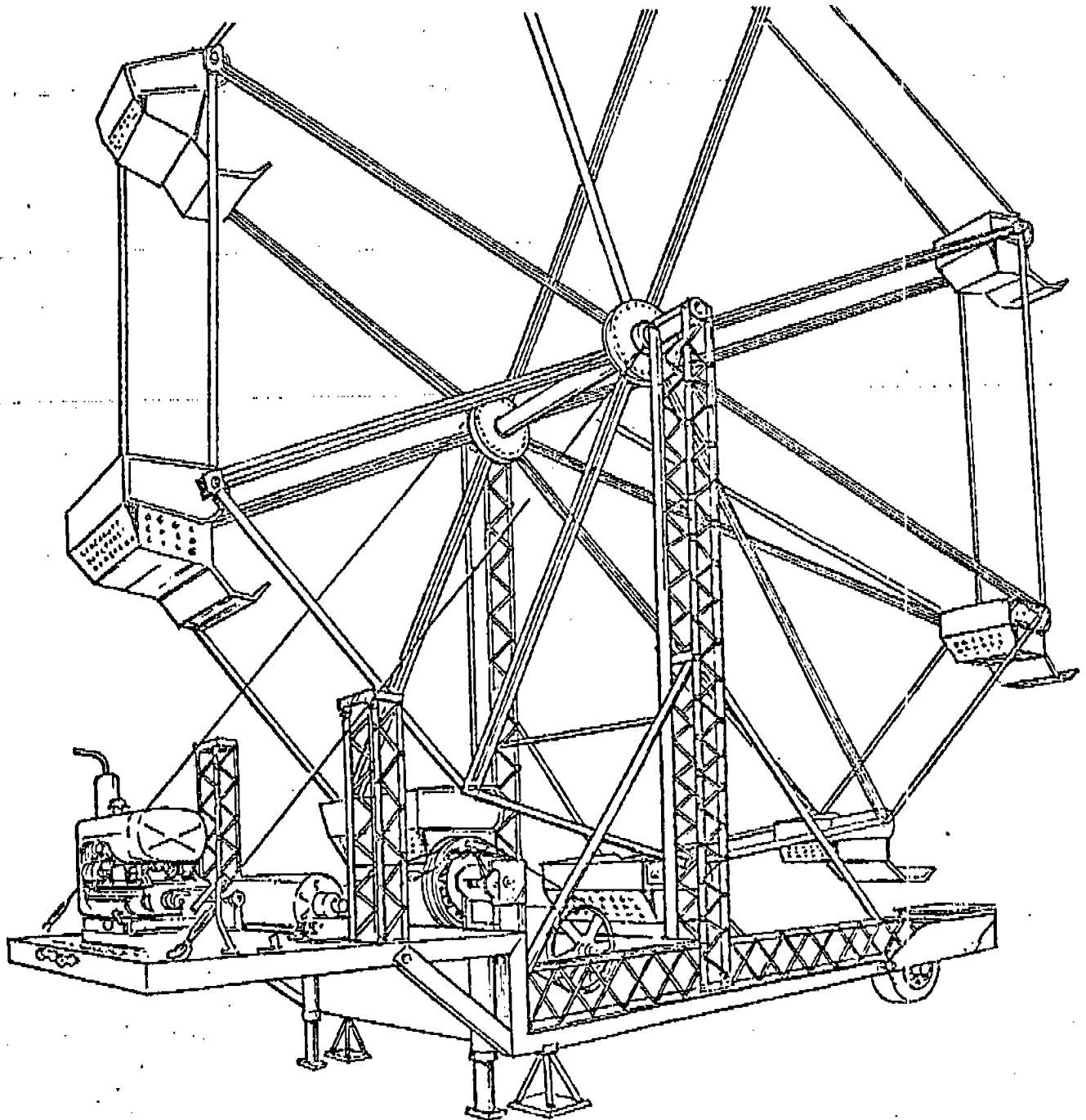


Marc J. Schoem
Compliance Officer
Division of Corrective Actions
Directorate for Compliance and
Administrative Litigation

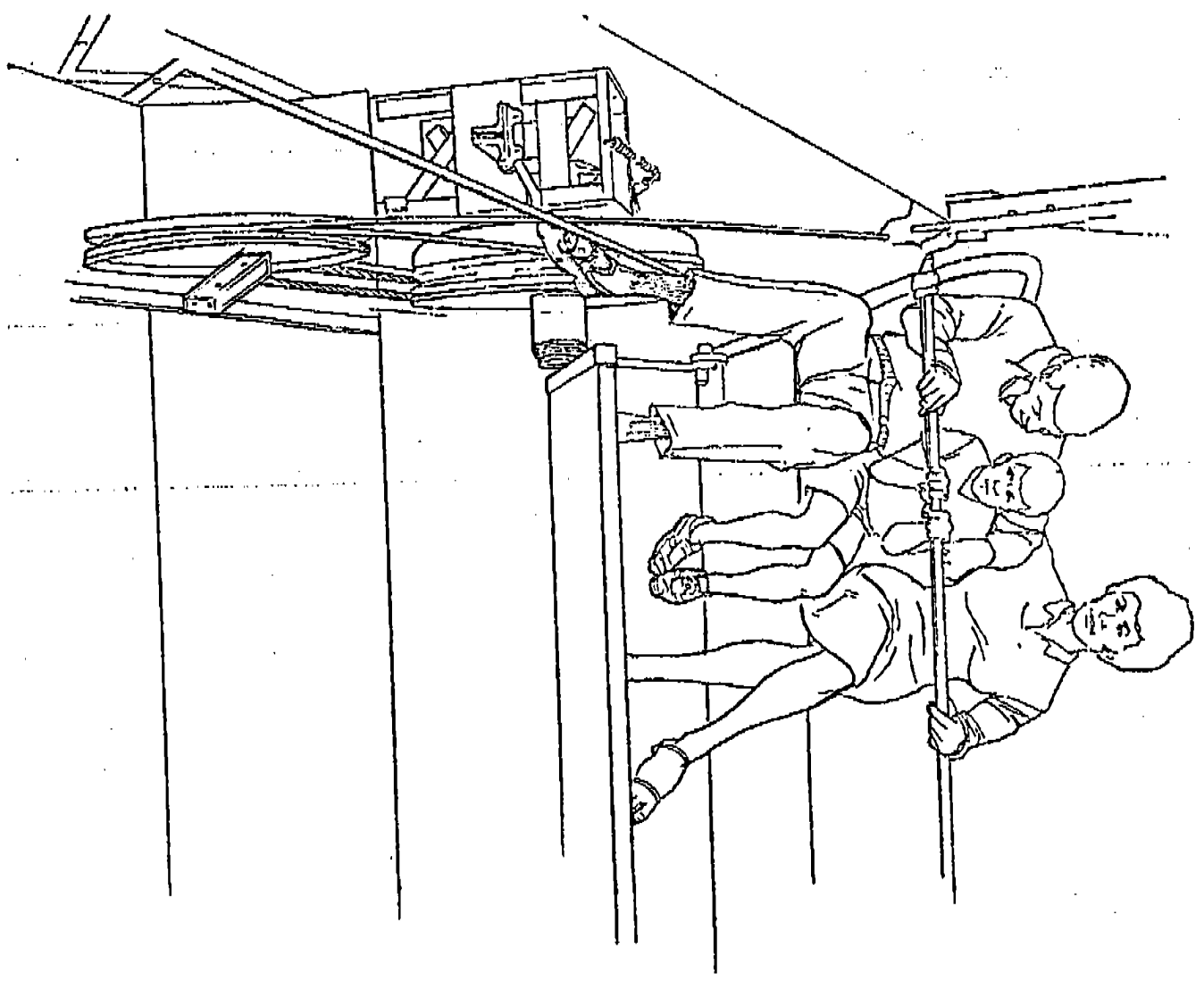
Enclosures

cc: CPSC Regional Offices
State Amusement Ride Inspectors

CONVERTED MOBILE FERRIS WHEEL FRONT VIEW



THE DANGER — OPEN PULLEY ASSEMBLY



RETURN THIS FORM IN THE ATTACHED SELF ADDRESSED STAMPED ENVELOPE WITHIN
14 DAYS FROM RECEIPT OF YOUR LETTER

1. Do you still own the converted ferris wheel ride? If so, print your name address and telephone number.

2. If you no longer own the converted ferris wheel please provide the following information.

Ride Destroyed - Year and Date _____

Ride Sold to (include date ride sold, name, address & telephone no.)

Ride no longer in use _____

3. If correction has been previously made, describe what actions have been taken to prevent entanglement in ferris wheel and indicate date on which corrections were previously made. _____

4. If corrections have not been previously made, do you intend to make corrections in accordance with our recommendations to prevent entanglement? _____

5. Describe corrections to be made. _____

6. Does your ferris wheel contain a hair guard? _____

7. Do you intend to install a hair guard on the ride? _____

Name, address and title of person
completing this form.



U.S. CONSUMER PRODUCT SAFETY COMMISSION

WASHINGTON, D.C. 20207

12 AUG 1985

IMPORTANT SAFETY NOTICE

Dear State Amusement Ride Inspector

I have enclosed a copy of a letter sent to identified owners of ferris wheels originally manufactured by Eli Bridge Company as a permanent ride and modified by Ferris Wheel, Inc. of Mercedes, Texas for use as a mobile ride. In modifying the ride, the space between the pulley system and the seats were reduced which could allow and occupant of the seat to place their hands or feet in the pulley system.

Owners that could be identified by Ferris Wheel, Inc. (which no longer manufactures rides) are contained on a list which is also attached. In our letter, we encouraged each ride owner to install a guard or shield to prevent rider's feet from being caught in the pulley system. We also encouraged each owner to ensure that hair guards were installed on their wheels.

On the attached list which shows each owner's name and address, we have noted if a response has been received from them, and what, if any action they have taken in response to our request.

This information must not be released to the public. Please be sure to read the summary-cover sheet which contains information on public disclosure of this information.

If you have any questions concerning the attached letter, please feel free to contact me on 301-492-6608.

Marc J. Schoem
Marc J. Schoem, Compliance Officer
Division of Corrective Actions
Directorate for Compliance and
Administrative Litigation

Enclosures

RESTRICTED

CONSUMER PRODUCT SAFETY COMMISSION
AMUSEMENT RIDE SAFETY INFORMATION PROGRAM

Volume 5, Number 2

Directorate for Compliance and Administrative Litigation

SPRING 1985

SUMMARY OF COMMISSION/STATE INVESTIGATIONS

Attached is a summary of Consumer Product Safety Commission and state investigations of various amusement rides. This bulletin is being sent to you as a result of the interest you expressed in receiving such information. PLEASE NOTE THAT THE ENTIRE BULLETIN CONTAINS INFORMATION ON SPECIFIC RIDES IN A WAY THAT ALLOWS THE PUBLIC TO IDENTIFY THE MANUFACTURERS OR PRIVATE LABELERS. THE INFORMATION HAS NOT BEEN PROVIDED TO THE APPROPRIATE FIRMS FOR COMMENT IN ACCORDANCE WITH SECTION 6(b) OF THE CONSUMER PRODUCT SAFETY ACT (15 U.S.C. 2055(b)) AND MUST NOT BE RELEASED TO THE PUBLIC UNDER ANY CIRCUMSTANCES. Section 29(e) of the Consumer Product Safety Act (15 U.S.C. 2078 (e)), however, authorizes the Commission to share this information with federal, state and local agencies. In accordance with that section, no agency to which the information with this bulletin is provided may disclose it to the public until the Commission has complied with the applicable requirements of Section 6(b). Since the Commission has not provided Section 6(b) notice to the manufacturers or private labelers of the rides listed, it is a violation of federal law to disclose this information to the public. It is to be used by appropriate amusement ride officials only. If you wish to make the information contained in this bulletin available to the public, contact Marc J. Schoen on (301) 492-6600 so that he can arrange for the Commission to follow the procedures of Section 6(b). This will take a minimum of 30 days from the date of your request, unless the Commission finds the public health and safety requires a lesser period of notice.

Accident investigations included with this bulletin are those reported by the Commission's field offices and state consumer protection agencies throughout the United States. Many times these reports are based on police reports, newspaper accounts and third party information when the victim or ride operator/owner cannot be located or interviewed. Information reported by these investigations may therefore be unverified with respect to specific defects and/or changes made by the ride operator/owner or manufacturer, as a result of a reported failure. If corrections were made to a ride as a result of a state or CPSC recommendation, these have been noted. These reports are primarily being forwarded to you for your information and assistance when conducting inspections of similar rides in your state. Because a ride is listed in the bulletin, it does not mean that the Commission staff believes that the ride contains a defect which could create a substantial product hazard. If such a determination was made by the staff, it will be noted. Further, by listing these rides and/or owner/operator/manufacturer names in this bulletin, we do not intend to imply that enforcement actions should be taken against those identified rides entering states where the authority exists to take such action. We are only providing this information so that states with inspection programs will have the benefit of knowing of any problems identified by other states or Commission staff.

Due to an amendment in the Consumer Product Safety Act, the definition of the term "consumer product" has been modified to exclude amusement rides that are permanently fixed to a site. Therefore, CPSC no longer can investigate incidents involving fixed site amusement rides. Any information concerning such incidents which comes to the attention of the Commission will be forwarded to the states involved.

If there are any questions concerning the rides listed in the attached bulletin or if you wish additional information on any of the investigations, please contact either Marc J. Schoen of the Division of Corrective Actions, Consumer Product Safety Commission, or in cases where individual states recommend certain actions be taken by the ride owner/operator/manufacturer, the appropriate state official listed in the Directory for Amusement Ride Enforcement Officials.



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WASHINGTON, D.C. 20207

28 MAY 1985

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11-00 00 02-01 ID: AHNTER HAS000 FAX: PAGE 10


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We appreciate your assistance on behalf of consumer safety.

Sincerely,

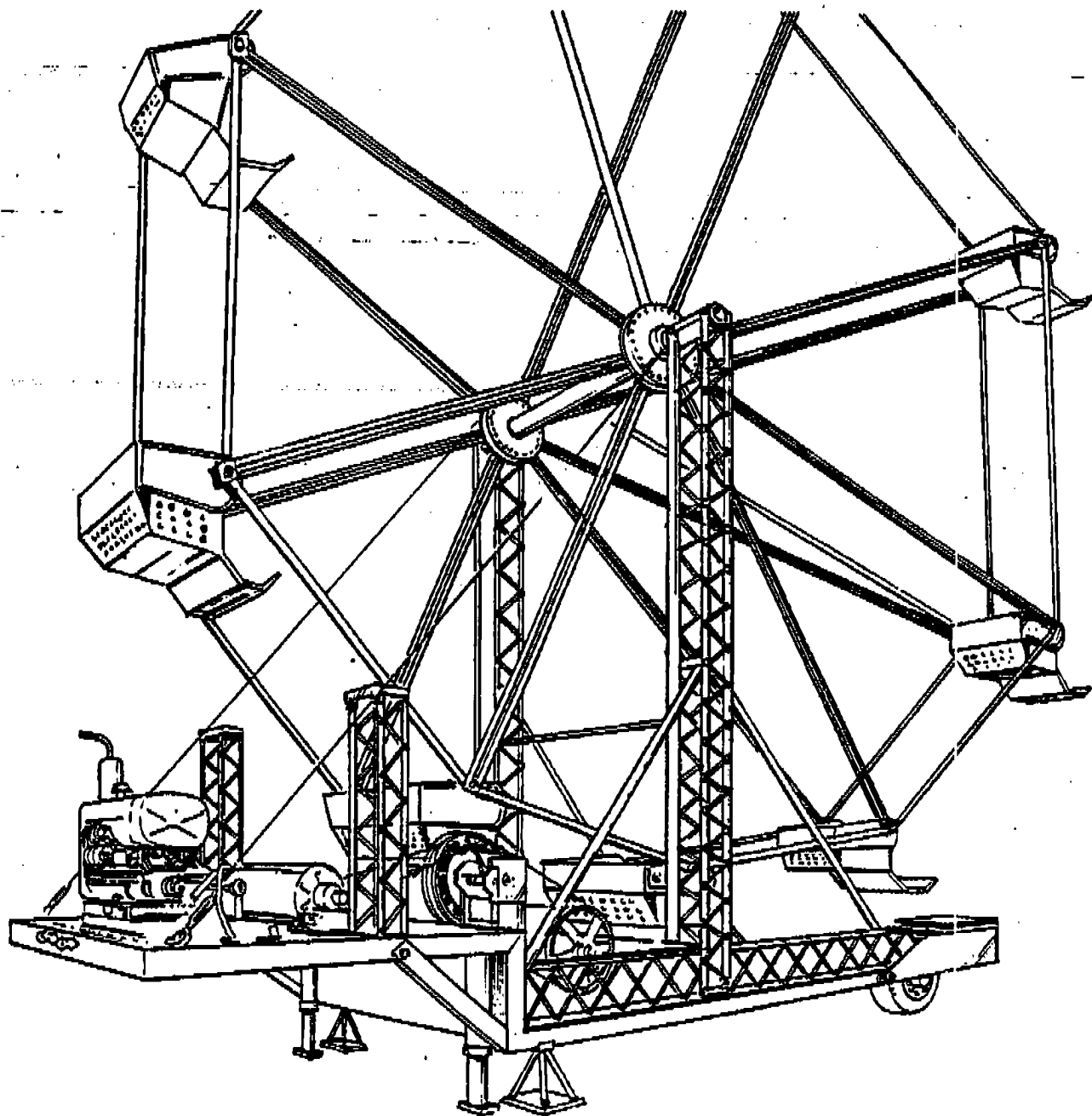

Marc J. Schoem
Compliance Officer
Division of Corrective Actions
Directorate for Compliance and
Administrative Litigation

Enclosures

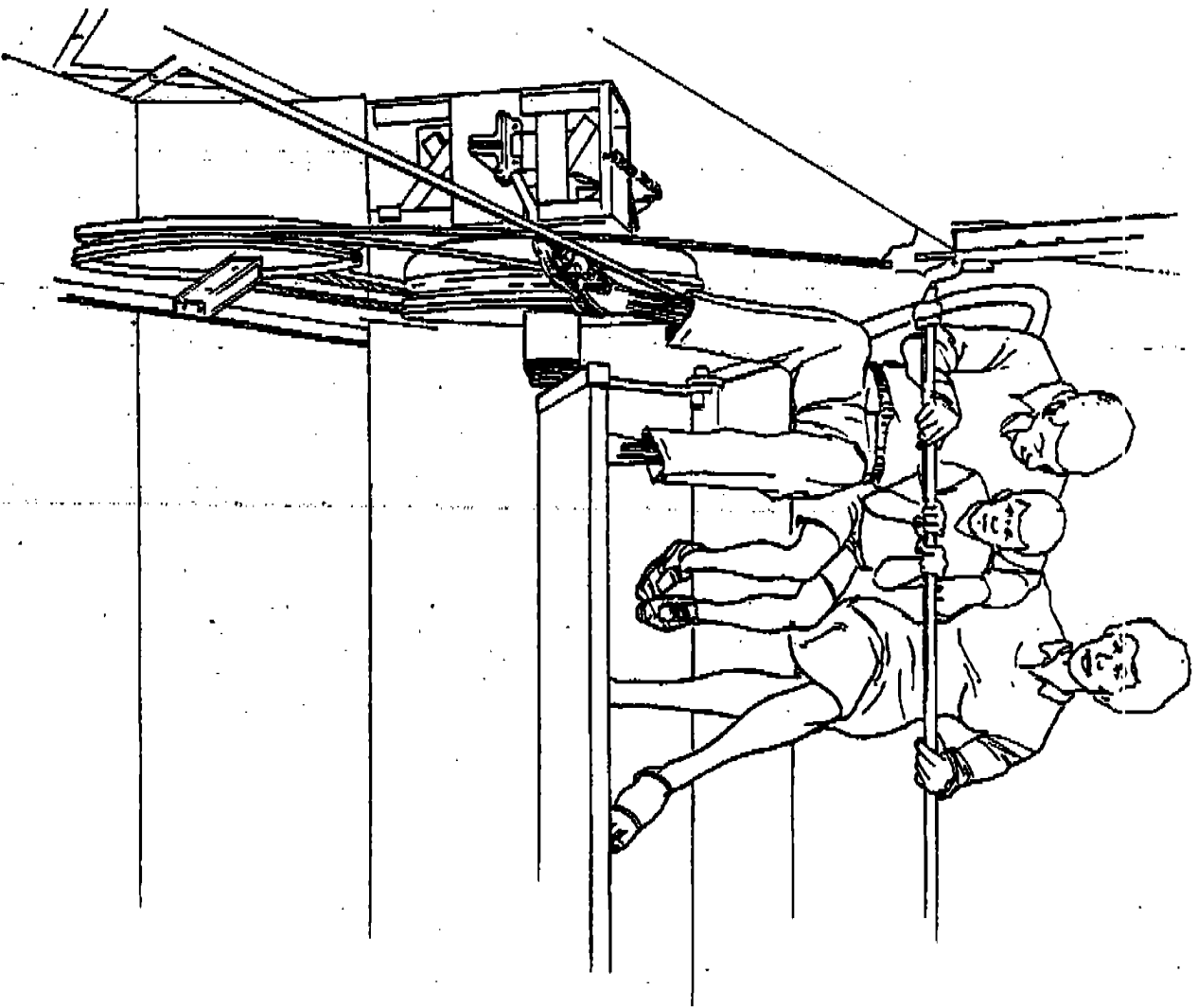
cc: CPSC Regional Offices
State Amusement Ride Inspectors

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FD-ENTERTAINMENT
PAGE 1

CONVERTED MOBILE FERRIS WHEEL FRONT VIEW

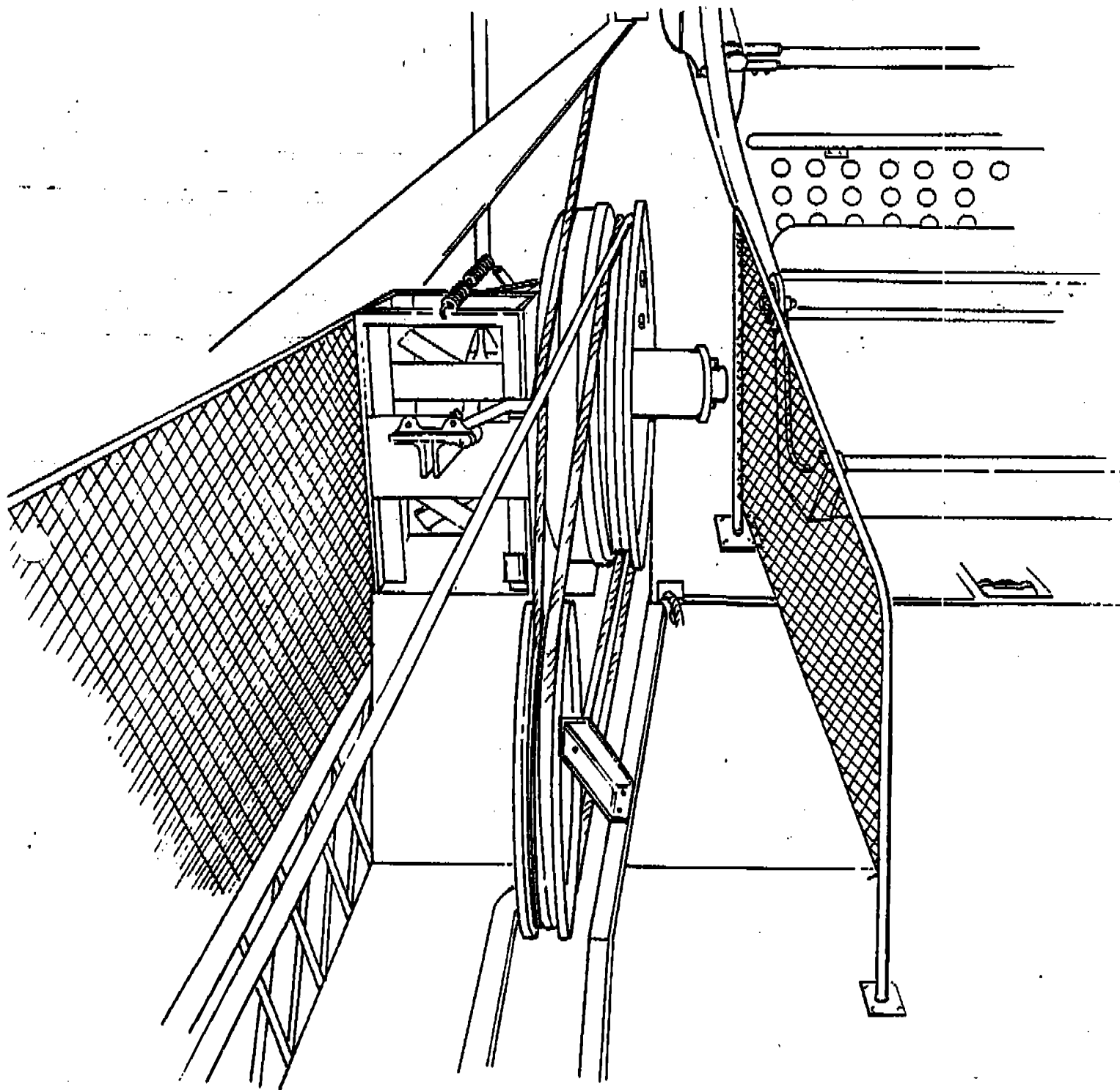


THE DANGER — OPEN PULLEY ASSEMBLY



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SAMPLE OF GUARD OR SHIELD THAT MAY BE APPROPRIATE



RETURN THIS FORM IN THE ATTACHED SELF ADDRESSED STAMPED ENVELOPE WITHIN
14 DAYS FROM RECEIPT OF YOUR LETTER

1. Do you still own the converted ferris wheel ride? If no, print your
name address and telephone number.

2. If you no longer own the converted ferris wheel please provide the
following information.

Ride Destroyed - Year and Date _____

Ride Sold to (include date ride sold, name, address & telephone no.)

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which corrections were previously made. _____

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corrections in accordance with our recommendations to prevent
entanglement? _____

5. Describe corrections to be made. _____

6. Does your ferris wheel contain a hair guard? _____

7. Do you intend to install a hair guard on the ride? _____

Name, address and title of person
completing this form.

FERRIS WHEEL, INC. - Converted
Ferris Wheels

Foot/Leg Entrapment

		return receipt	questionnaire returned	foot guard installed	hair guard installed	no longer own
1	Frank Cook 18560 14 Mile Road Fraser, Michigan 48026	✓	yes	yes	yes	
2	Charles G. Pancek 400 So 5th Street Milwaukee, Wis. 53204	✓	mail not deliverable			
3	Don Evans Rt 2 Plattsburg, Mo 64477	✓				
4	Connie Fernandez 1547 Colburn Street, Suite 201 Honolulu, Hawaii 96814	mail	not deliverable			
5	Richard Tinsley 3836 Waco Drive Normandy, Mo. 63121	✓				
6	Charles Kaleel 7850 March Road Marine City, Mich. 48039	✓	yes	yes	yes	
7	Gene Ledel 509 Green River TR. Ft. Worth, TX 76103	✓	yes	yes	yes	
8	Dick Carl 890 Sargent S.E. Ada, Mich. 49301		letter not deliverable			
9	Rex Lew Ellen 13080 Greenwich #88 Wichita, KA 67207		letter not deliverable			
10	Bruce McDanaga 6628 Dixie Highway Brideport, Mich. 48722	✓	yes	yes	yes	
11	Earl Ingalls Box 433-20 Michigan Avenue Coldwater, Mich. 49036		Deceased	not deliverable		
12	Frank Ferguson Box 2402 Lafayette, LA 70501	✓	yes	yes	yes	
13	Larry Wheeler 537 Lado Drive Zephy Hills, Fla. 33599	✓				
14	Dale Thomas Box 11433 Oklahoma City, OK 73111		letter not deliverable			

RESTRICTED

		Return receipt	questionnaire return	Foot guard	hair guard	no longer own
15	Van Hillman Rt. 1, Box 74 Ravenal, South Carolina 29470	✓				
16	Alice English Box 1153 Hendersonville, NC 28793	✓				
17	Joe Williams Box 4284 North Las Vegas Las Vegas, Nev. 89083	✓	yes	yes	yes	
18	Gary Smith Box 157 New Matamoras, Ohio 45767	✓				
19	Ray Guthrie Box 361 Middleboro, KY 40965	✓				
20	Throne Hughes Rt. 6, Box 650 Denham Springs, LA 70726	Letter NOT deliverable				
21	Deggeller Amas. Co. Box 7, Indian Avenue Stuart, FL 33494	✓				
22	Ken Gambill 156 Riecaet Avenue Wintersville, Ohio 43952	✓				
23	Earl Neuber Rt. 1 Chilton, Wis. 53014	✓	yes	yes	yes	
24	Earnest Mofied Rt. 1, Box 371 A Marion, Ill. 62959	✓				
25	Art Kedrowiez Box 171 Custer, Wis. 54423	✓	yes	yes	yes	Ride sold 11/81
26	Dave Stevens Box 437 Pelican Rapids, Minn. 56572	✓	yes	yes	yes	
27	Gene Hammond 947 Goodson Loop Pine Hurst, TX 77363	Letter not deliverable				
28	Walt Foster 1206 Highway 56 Dodge City, KS 67801	✓				
29	Deggeller Equit Co. Box 7, Indian Avenue Stuart, Florida 33494	✓				

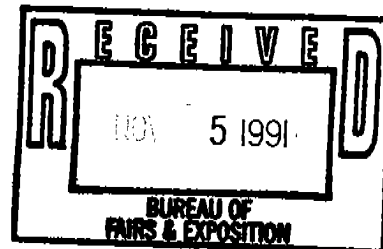
		return receipt	protection fund paid	front guard	rear guard	side guard
30	Bernard Calkins 600 W 19th Avenue Oshkash, Wis. 54901	✓	yes	yes	yes	
31	Joe LaJan Rt. 2, Box 58 A Rush Springs, Okla. 73082	✓	yes	yes	yes	
32	Cunningham Shows Box 123 New Matamoras, Ohio 45767	✓	yes	yes	yes	
33	Jim Neal Jim Neal 2928 West Lake Road Peoria, Ill. 61615	✓	yes	yes	yes	
34	E.J. Kastl Box 1010 El Paso, Tx	letter	not	deliverable		
35	Mike Smith Box 68 Worthing, S. Dak	✓				sold side in 1969
36	Bill Skerbeck 164 No State Street Berlin, Wis. 54923					
37	Lester Castle Rt. 1, Box 266 A 4338 Schumier Houston, TX	✓				
38	Charle Miller 55th and LaGrange Road LaGrange, Ill.	✓				
39	Jules Racine Casier Postal 1337 Quebec, P.Q.					
40	Fred Thumberg 3157 Fisher Road Columbus, Ohio	✓				
41	JR. Linenfelser Marine, Ill. 62061	✓	yes	yes	yes	
42	Buster Brown Box 1377 Ft. Worth, TX 76101	✓	yes		yes	side sold
43	Charle Larkee Box 389 Waupaca, Wis. 54981	✓	yes	yes	yes	
44	Jim Luehrs 6159 So. 38th Street Greenfield, Wis. 53221	✓	yes	yes	yes	

		return receipt	questionnaire	Foot Guessed	hair guessed	ride/ sold
45	Bob Vogel Box 108 AAA Crestway Drive, R.R. #3 Brookville, Ohio 45309	Letter	not deliverable	deceased		
46	Jack Thompson 8249 Mess Blvd. N.W. Minneapolis, Minn 55433	✓	yes	??	yes	sold 1-10-85
47	Jack Vinson Box 114 Hallandale, Fla. 33009	Letter	not	deliverable		
48	Jr. W.A. Schafer 731 Parkwood Drive Dallas, TX 75224	✓	yes	yes	yes	
49	Charles Magid 5461 N.E., River Place Chicago, Ill. 60656	Letter	not	deliverable		
50	John Chancey 815 Savin Avenue West Haven, Conn. 06516	✓	yes	yes	yes	
51	Rod Hopp Minnesota					
52	Donald Dine 4057 Martindale Road, N.E. Canton, Ohio 44700	✓	yes			ride sold
53	Charles Scheider 8338 Wales Avenue North Kent, Ohio 44720	✓	yes	yes	no	
54	Van Ballanger 528 North Baird Street Green Bay, Wis. 54302	Letter	not	deliverable		
55	Chuck Magid 5461 N.E., River Place Chicago, Ill. 60656					
56	Al Aluy 3413 Kallin Long Beach, Calif. 90808	Letter	not	deliverable		
57	Ester Speroni 3111 E Nettleton Road Jonesboro, Ark. 72401	Letter	not	deliverable		
58	Fred Cantrell Box 41 Pinellas Park, Fla. 33565	✓				

		Return Receipt	questionnaire	Foot guard	Heavy guard	only del.
59	Jimmy Hoggard S.C. Rt. 2, Box 157 FA Big Springs, TX 79720					
60	Johny Porten Porten Box 600 1577 Andalusia, ALA. 36420	✓	yes	yes	yes	
61	Floyd & Bexter P.O. Box 702 Lebanon, Tenn. 37087	✓	yes	yes	yes	
62	Jerry Geren Rt. 2, Box 372 Valdosta, Georgia 31601	✓	yes	yes	yes	
63	Bill Germain 4026 Connecticut Street St. Louis, MO 63116	letter	not deliverable			
64	Joe Blash 108 Sierra Place Upland, Calif.	✓				
65	Ted Cory # 203 El Camino Road San Benito, TX 785					
66	Rod Link Box 254 Mason, Mich. 48854	✓				
67	W.G. Wade 4126 Nearbrook Bloomfield Hills,	✓				
68.	Vern O'Halley 123 So. Broadway Church Point, LA					
69.	Tom Hoefling RR # 2 Hornick, Iowa 51026					
70.	Eva Mofield RR # 6 Marion, Illinois 62959					
71.	Ray Cammach Shows 4450 West Southern Ave. Phoenix, Arizona 85009					

72. J & S Amusements / Chap. Schneider
John Richardson / Waleo Rd
Palmy, Ohio / Marillion, Ohio

73. Jim Evans
Evans United Shows
Rt 1
Plattsburg Missouri



TRAILER MOUNTED #5 FERRIS WHEEL

1. Tower hinge pins and pipes should be checked for cracks whenever the ride is set up. Oil hinge pin monthly.
2. Hydraulic cylinder pins and mountings should be checked yearly.
3. Check hydraulic hoses for wear and fittings for leaks whenever the ride is setup.
4. Check outriggers and leveling jacks for stability daily.
5. Check sweep hinge bolts and plates when set up for wear. Replace any that are worn or bent. Oil monthly.
6. Check sweeps and spreaders for cracks or bends whenever set up.
7. Check rim-iron ends and center hinges for cracks, where they pivot on the journal bolts, each time the ride is set up.
8. All rim pins must be installed, from the inside out, with safety clips, in the rim-iron center hinge.
9. All cross-cables must be installed and in good condition.
10. All guy cables must be in good condition.
11. The drive cable should be free from loose wires and excessive dirt.
12. Lubricate the cable weekly with pine tar, or a cable conditioner recommended by Eli Bridge.
13. Check idler wheel and bull-gear for excessive wear weekly.
14. Brakes should be adjusted as needed for total control of the ride.
15. Bent sweeps can be straightened but avoid heating if possible.
16. Tighten journal bolts after the ride is set up. Loosen before tearing down. Use only lock nuts.
17. All seats must have seat safety clips installed before operating the ride.

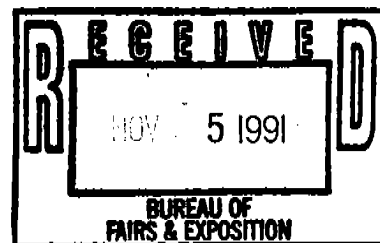
From WMI

18. Lubricate bull-gear, idler, and main axle bearings weekly.
19. Change hydraulic oil and filter yearly.
20. Check that a solid shaft has been inserted, and welded on each end, into the center of the hollow main axle. (The early wheels did not have this shaft installed.)
21. Check journal bolts for cracks and wear each month. Do not use a journal bolt that is questionable.
22. Replace journal bolts every three years.
23. Clean and lubricate journal bolt ends before installing seats.
24. Operate the ride in accordance with Eli Bridge Co. operating recommendations.

Eli Bridge Company has an excellent book on the operation and maintenance of their wheels and it is an excellent idea to obtain one of these.

Frank W. M. J.

FERRIS WHEEL #5 INSPECTION LIST



Very little of the original Ferris Wheel is changed in a major way. The new parts are totally different from the original. The towers are rectangular tubing. The rim-irons are cut and hinged. The sweeps are hinged at the axle. Hydraulic drive instead of clutch and V-belts. The operation and maintenance are the same as the original except for a few differences listed below.

1. Tower hinge pins and pipes should be checked whenever the ride is set up. Oil hinge pin monthly.
2. Hydraulic cylinder pins and mountings should be checked yearly.
3. Check hydraulic hoses for wear and fittings for leaks whenever the ride is set up.
4. Check outriggers and leveling jacks for stability daily.
5. Check sweep hinge bolts yearly for wear. Replace any that are worn or bent.
6. Check main sweep for cracks or bends whenever set up.
7. Check rim-iron ends for cracks, where they hinge on the journal bolts, each time the ride is set up.
8. All pins must be installed in the rim-iron hinge, with safety clips.
9. All cross-cables must be installed and in good condition.
10. All guy cables must be in good condition.
11. The drive cable should be free from loose wires and excessive dirt.
12. Lubricate the cable weekly with pine tar, or a cable conditioner recommended by Eli Bridge.
13. Check idler wheel and bull-gear for excessive wear weekly.
14. Brakes should be adjusted as needed for total control of the ride.
15. Bent sweeps can be straightened but avoid heating if possible.

16. Journal bolts should be tightened after the ride is set up. Loosen before tearing down. Use only lock nuts.
17. All seats must have seat safety clips installed before operating the ride.
18. Lubricate bullgear, idler, and main axle bearings weekly.
19. Check hydraulic hoses and fittings for wear or leaks weekly.
20. Grease main axle bearings monthly. (one shot of grease is plenty)
21. Change hydraulic oil and filter yearly.
22. Check that a solid shaft has been inserted, and welded on each end, into the center of the hollow main axle. (The early wheels did not have this shaft installed.)
23. Operate the ride in accordance with WMI Industries and Eli Bridge Co. operating recommendations

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