

annual SAFETY REPORT 1969



and



H. CLARK UNDERWOOD

Manager
Safety and Plant Protection

SL 104050

FOREWORD

This report includes 65 reporting units, including: All Corporation plants; the General Office; Standard Chemical Corporation, Beauharnois Plant; Houston Chemical Corporation, Beaumont Plant; Distribution and Sales groups of the Coatings and Resins Division; and for the first time the Contract and Supply Department of the Glass Division.

The Pittsburgh Corning Corporation includes four reporting units. The statistical data for these units is not included in the Corporate statistics, but is shown separately.

Your comments with respect to this report are most welcome.

SL 104049

CORPORATE SUMMARY

FREQUENCY RATE: 1969 - 5.0**

1968 - 1.8*

This rate reflects the number of disabling injuries per million manhours exposure computed on the basis of the American National Standards Institute formula:

$$\text{Frequency Rate} = \frac{\text{Disabling Injuries} \times 1,000,000}{\text{Manhours Worked}}$$

* The 1968 corporate frequency of 1.8 equals the all-time low for the Corporation. However, the 1968 safety statistics include, for the first time, the experience of the C&R Division's Paint Centers and also, for the first time, hernia cases were included. These two items accounted for 11 of the Corporation's disabling injuries. Removing these 11 cases, in order to compare 1968's frequency with that of 1967, has the effect of reducing the frequency rate from 1.8 to 1.7.

** The 1969 corporate frequency rate of 5.0 reflects the inclusion, for the first time, of the experience of the Contract and Supply Department of the Glass Division. Excluding the experience of this operation would result in a frequency rate of 2.1 for 1969. Further, excluding the experience of the C&R Division's Paint Centers and hernia case experience results in a frequency rate of 2.0 for 1969. Making these exclusions for comparison purposes only results in the following frequency rates: 1967 - 1.8; 1968 - 1.7 and 1969 - 2.0.

SEVERITY RATE 1969 - 544 **

1968 - 670 *

This rate reflects the number of days lost per million manhours exposure computed on the basis of the American National Standards Institute formula:

$$\text{Severity Rate} = \frac{\text{Days Lost} \times 1,000,000}{\text{Manhours Worked}}$$

Our Severity Rate declined in 1969 for the first time since 1964, the year in which our corporate low of 331 was established.

* Removing the days charged for the 11 Paint Center and hernia cases increased the 1968 severity rate from 670 to 706. In other words, while the charging of the Paint Center and hernia cases has the effect of increasing the frequency rate, it has the opposite effect on the severity rate. Increasing the corporate manhours by the inclusion of the Paint Centers manhours has the effect of lowering the severity rate.

** Removing the Contract & Supply Department's experience for the severity rate calculation produces a severity rate for 1969 of 535. Further, removing the

experience of the C&R Division's Paint Centers and hernia case experience results in a severity rate of 561 for 1969. Making these exclusions for comparison purposes only results in the following severity rates: 1967 - 659; 1968 - 706, 1969 - 561.

In 1969, sixteen serious injuries occurred, 3 fatalities are included in this figure. The remaining cases involved the loss as indicated:

Fatalities

One Eye

Barberton
Newark
Works 1

Works 53

Finger (s)

Arm

Works 9
Works 10
Works 11
Works 15

Works 21
Works 52 (3)
Architectural
Metals (3)

Works 8

The total days charged for these cases is based on the charges specified by the American National Standards Institute, Code Z16.1.

COMPARISON WITH 1968 RECORD

<u>Item</u>	<u>1969</u>	<u>1968</u>
Hours Worked	66,863,395	56,882,283
Disabling Injuries	333	105
Fatalities	3	4
Permanent Partial Disabilities	13	14
Days Lost	36,371	38,092

AWARDS

National Safety Council

Due to the increase in frequency rate in 1969, the Corporation does not qualify for a National Safety Council Award.

Corporate

Twelve plants, six Research & Development Units, and two Sales and Distribution Units completed 1969 without a disabling injury. As a result, these units earned the Company's Award of Honor. These units are as follows.

PPG INDUSTRIES

1969 Award of Honor

Manufacturing

San Francisco (Ninth Consecutive Year)
Delaware (Fifth Consecutive Year)
Beauharnois (Third Consecutive Year)
Cumberland (Second Consecutive Year)
Bellingham (Second Consecutive Year)
Gas Department
Huntsville
Lake Charles
Zanesville
Berkeley
Cleveland
Red Wing

Research & Development Units

Glass Research
Fiber Glass Research
Coatings & Resins Research
Chemical Research:
Barberton
Natrium
Corpus Christi

Sales & Distribution Units

C&R Division Industrial Sales (Second Consecutive Year)
Ditzler Warehouses (Fifth Consecutive Year)

PITTSBURGH CORNING CORPORATION

Research & Engineering (Second Consecutive Year)

Ninety-six units of the Contract & Supply Department completed the year without a disabling injury and were recognized for this fine accomplishment by the presentation of a special Safety Award Certificate.

In 1969, six plants earned the Company's Award of Merit for a "significant safety accomplishment."

This award is made to those plants who have not attained a perfect record but have made a significant safety accomplishment. Plants earning this award are:

PPG INDUSTRIES

1969 Award of Merit

Works 26 (Third Consecutive Year)
Works 9 (Second Consecutive Year)
Works 11
Works 50
Natrium
Bloomfield

ANALYSIS

Corporation excluding Contract & Supply Department

The first five injury classifications as shown on the "Cause & Classification" chart (Page 19) of this report accounts for 85% of the disabling injuries. These same five classifications accounted for 75% of the disabling injuries in 1968. This increase resulted in a decrease in the eye injury classification and in the glass (struck & struck by) classification. This is an encouraging change and probably can be attributed to proper protective equipment and enforcement of the rules governing the use of this equipment.

The positioning of these injury causes changes from year to year with respect to the leading cause, second leading cause, etc. Within the five leading injury classifications the only really significant change this year was the increase in the number of disabling injuries caused by "Objects" and "Strains & Sprains" and the decrease in disabling injuries caused by "Falls".

Contract & Supply Department

The first three injury classifications as shown on the "Cause and Classification" chart (Page 20) of this report accounts for 61% of the disabling injuries. Another 26% of the disabling injuries are a result of the Glass (Struck and Struck By) classification. Proper protective equipment and enforcement of rules governing the use of this equipment should substantially reduce the glass classification as it has in the manufacturing operations. In addition, the "Sprains and Strains" classification, which accounts for 31% of the disabling injuries, should be substantially reduced by training in proper lifting techniques.

Corporate

The summary charts shown on Page 22 of this report prove once again that neither age nor experience is a deterrent to being injured. The number of disabling injuries in the group of employees with two or less years of service accounts for 39% of the disabling injuries. This represents a decline in the percentage for this group of employees in the past two years. This is probably the result of the inclusion of the Contract & Supply statistics in these tables. The high percentage of disabling injuries among this group of employees continues to show very clearly the need for new employee safety orientation and safety job training and job instruction for both new and transferred employees.

AUDITS

Audits of Safety, Fire Protection, Plant Protection and Disaster Control Programs were conducted at the following locations:

1969

Works 19	Zanesville	Baltimore
Beauharnois		Milwaukee

Follow-up audits, for audits completed in prior years, were conducted at the following locations:

* Works 1	* Works 14	Lake Charles
Works 5	Works 15	Barberton
* Works 7	Works 26	Natrium
* Works 9	Works 50	Newark
* Works 10	Works 52	Cleveland
* Works 11	Corpus Christi	Springdale
* Works 12	Beaumont	Circleville

* Follow-up audits at these plants were conducted by Glass Division Plant Safety Directors.

CORPORATE SAFETY CONFERENCE

For the first time in our corporate history a Corporate Safety Conference was held. This conference was attended by representatives of all the Company's operations except the Beauharnois plant of Standard Chemicals Corporation and by representatives of all of Pittsburgh Corning's operations except their Research and Engineering location.

TRAINING

A number of Company locations experienced changes in Safety personnel during the year. As a result, considerable training of Safety personnel has been undertaken.

The following locations had one or more persons enrolled in the Basic Fundamentals Safety Training Course sponsored by the National Safety Council and the Western Pennsylvania Safety Council:

Works 8	Barberton
Works 10	Lake Charles
Works 22	Circleville
Works 50	Milwaukee
Glass Research	Red Wing

In addition, thirty-one Glass plant representatives, one Fiber Glass plant representative and two Pittsburgh Corning plant representatives attended a Glass Division Fire School held at the Armstrong County Fire Training Grounds near Ford City, Pennsylvania.

Numerous other training activities were completed for certain individuals such as plant visitations, various conferences, special sessions and programs sponsored by private groups, associations and governmental bodies.

EXPANDED SAFETY ACTIVITIES

During the year plans were implemented for the inclusion of the Contract and Supply Department accident statistics for the 1969 Corporate figures. With this step, our corporate statistics reflect the safety experience of the Company's entire domestic operation. This will enable valid statistical comparisons with other leading industries for the first time,

Minimum safety programs for the C&S Distribution Centers and Branches were implemented in 1969. Visitations were made to the following C&S locations:

Atlanta, Georgia D.C.	Denver, Colorado Branch
Baltimore, Maryland D.C.	Flint, Michigan Branch
Chicago, Illinois D.C.	Fort Worth, Texas Branch
Davenport, Iowa D.C.	Jacksonville, Florida Branch
Detroit, Michigan D.C.	Macon, Georgia Branch
East Rutherford, New Jersey D.C.	Milwaukee, Wisconsin Branch
Indianapolis, Indiana D.C.	Peoria, Illinois Branch
Tampa, Florida D.C.	Racine, Wis. Glass Service Center
Twinsburg, Ohio D.C.	Rockford, Illinois Branch
Colorado Springs, Colorado Branch	Springfield, Illinois Branch
Dallas, Texas Branch	Waukegan, Illinois Branch

DIRECT ACCIDENT COSTS

Divisional Summaries for 1968 and 1969 are as follows:

<u>Division</u>	<u>1968</u>	<u>1969</u>
Glass	\$ 292,025	\$ 316,491
Contract & Supply Dept.	-----	242,979
Chemical	211,824	219,201
Coatings & Resins	58,791	70,670
Fiber Glass	52,140	57,254
General Office	686	994
Coal	<u>20,513</u>	<u>31,598</u>
	\$ 635,979	\$ 939,189

PPG INDUSTRIES
Industrial Injury Report
Division Summary
1969

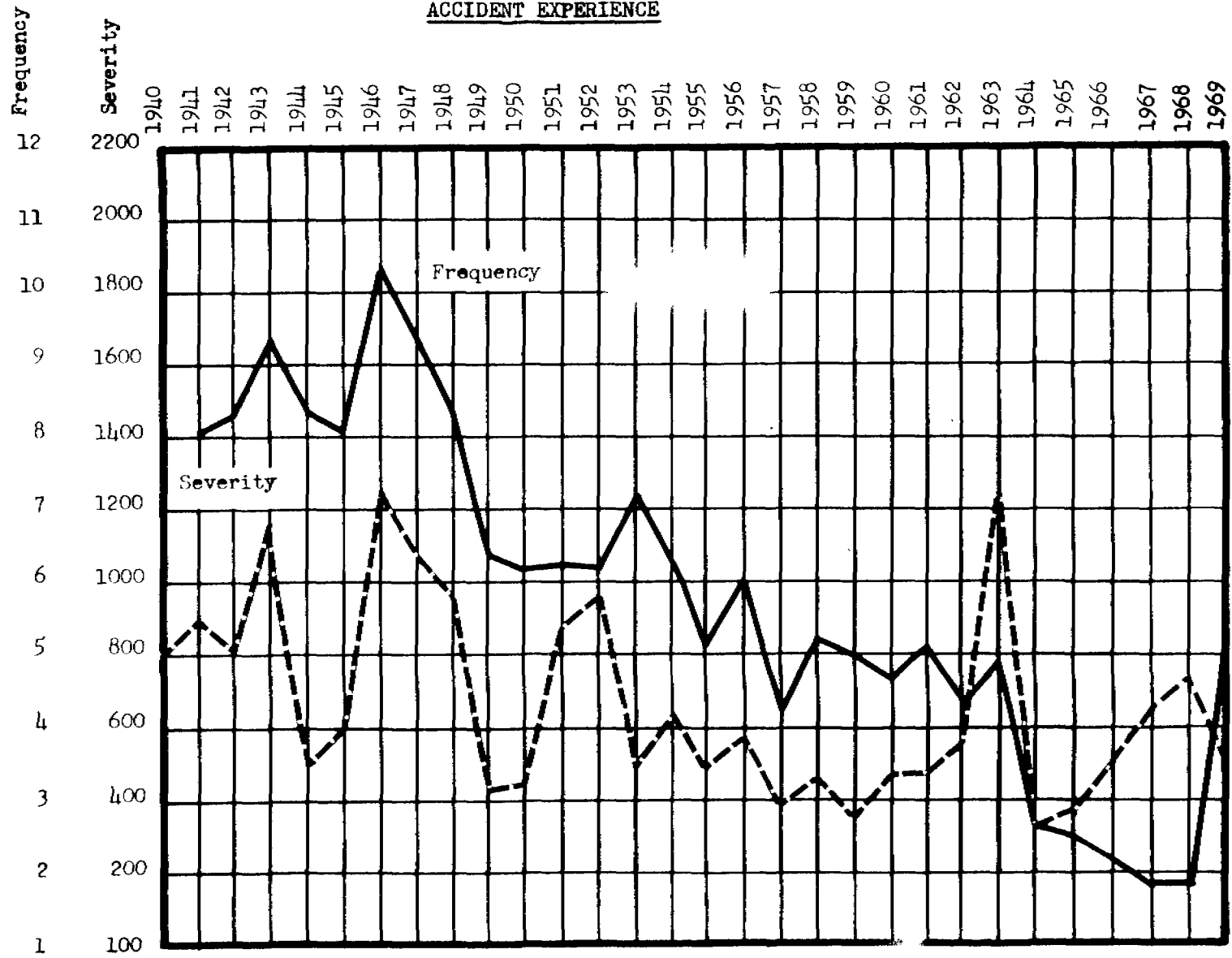
	MANHOURS		F R E Q U E N C Y				S E V E R I T Y			
			LOST TIME		F R E Q U E N C Y		DAYS LOST		S E V E R I T Y	
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
PPG INDUSTRIES	56,882,283	66,863,395	105	333	1.8	5.0	38,092	36,371	670	544
<u>MANUFACTURING</u>										
Chemical	11,788,439	10,748,582	22	15	1.9	1.4	26,085	6,691	2,213	623
Coatings & Resins	5,574,892	5,835,839	15	18	2.7	3.1	580	6,474	104	1,109
Fiber Glass	4,961,804	5,902,598	12	13	2.4	2.2	6,431	2,250	1,296	381
Glass	24,763,719	24,913,659	41	63	1.7	2.5	4,066	15,055	164	604
Total	47,088,854	47,400,678	90	109	1.9	2.3	37,162	30,470	789	643
<u>RESEARCH & DEVELOPMENT</u>										
Chemical	*	1,119,383	-	0	-	0.0	-	0	-	0
Coatings & Resins	553,945	592,293	1	0	1.8	0.0	56	0	101	0
Fiber Glass	**	114,739	-	0	-	0.0	-	0	-	0
Glass	1,172,734	938,941	2	0	1.7	0.0	754	0	643	0
Total	1,726,679	2,765,356	3	0	1.7	0.0	810	0	469	0
<u>SALES DISTRIBUTION & ADMIN.</u>										
Coatings & Resins	3,883,956	3,646,597	12	14	3.1	3.8	120	90	38	25
General Office	4,182,794	4,158,747	0	1	0.0	0.2	0	2	0	.5
Glass	***	8,892,017	-	209	-	23.5	-	5,360	-	603
Total	8,066,750	16,697,361	12	224	1.5	13.4	120	5,452	15	327
<u>DIVISIONS</u>										
Chemical	11,788,439	11,867,965	22	15	1.9	1.3	26,085	6,691	2,213	564
Coatings & Resins	10,012,793	10,074,729	28	32	2.8	3.2	756	6,564	76	652
Fiber Glass	4,961,804	6,017,337	12	13	2.4	2.2	6,431	2,250	1,296	374
General Office	4,182,794	4,158,747	0	1	0.0	0.2	0	2	0	.5
Glass	25,936,453	34,744,617	43	272	1.7	7.8	4,820	20,864	186	600

* Chemical Research & Development was included with Manufacturing in 1968
 ** Included with Glass Research in 1968
 *** Was Not Included in 1968 Report

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PPG INDUSTRIES

ACCIDENT EXPERIENCE



PPG INDUSTRIES
Industrial Injury Report
Chemical Division
1969

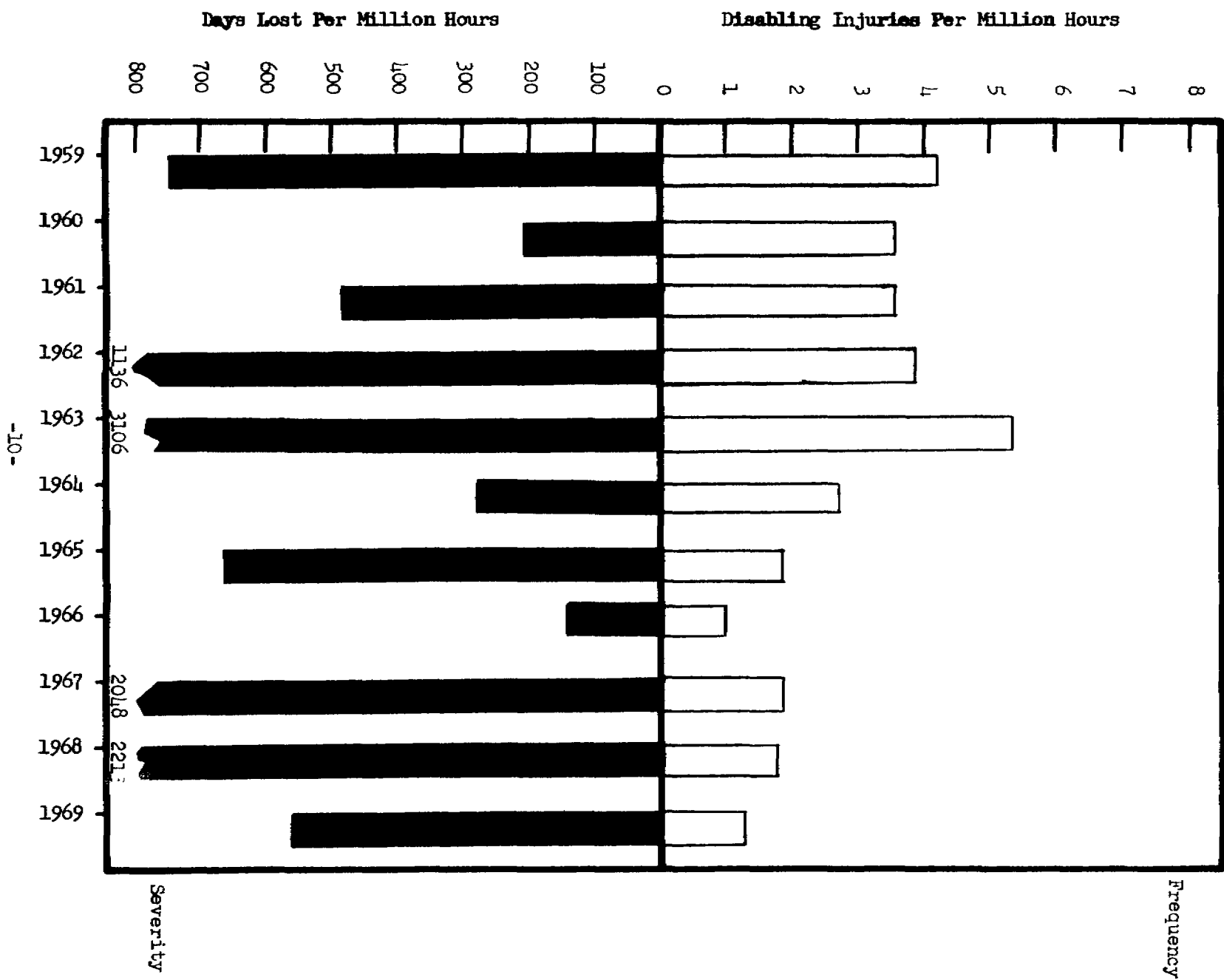
		F R E Q U E N C Y				S E V E R I T Y					
		MANHOURS		LOST TIME		FREQUENCY		DAYS LOST		SEVERITY	
		1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
CHEMICAL DIVISION		11,788,439	11,867,965	22	15	1.9	1.3	26,085	6,691	2,213	564
MANUFACTURING											
	Barberton	4,538,936	3,764,659	9	6	2.0	1.6	13,047	6,278	2,874	1,668
**	Bartlett	34,566	-	-	-	-	-	-	-	-	-
	Beauharnois	221,528	227,354	0	0	0.0	0.0	0	0	0	0
	Beaumont	812,052	901,668	5	4	6.2	4.4	6,338	155	7,797	172
-	Bellingham	248,702	255,638	0	0	0.0	0.0	0	0	0	0
	Corpus Christi	1,502,528	1,172,977	1	2	0.7	1.7	246	165	164	141
	Lake Charles	1,839,326	2,062,163	1	0	0.5	0.0	216	0	117	0
	Natrium	2,169,499	1,941,314	5	3	2.3	1.5	238	93	110	48
	Zanesville	420,502	422,809	1	0	2.4	0.0	6,000	0	14,269	0
*	Total	11,788,439	10,748,582	22	15	1.9	1.4	26,085	6,691	2,213	623
RESEARCH & DEVELOPMENT											
	Barberton	*	591,597	0	0	0.0	0.0	0	0	0	0
	Corpus Christi	*	228,355	0	0	0.0	0.0	0	0	0	0
	Natrium	*	299,431	0	0	0.0	0.0	0	0	0	0
	Total	*	1,119,383	0	0	0.0	0.0	0	0	0	0

* Research & Development totals for 1968 are included with Manufacturing

** Partial Year - Plant closed in March, 1968

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CHEMICAL DIVISION
ACCIDENT EXPERIENCE



PPG INDUSTRIES
Industrial Injury Report

Glass Division

1969

	MANHOURS		F R E Q U E N C Y				S E V E R I T Y			
			LOST TIME INJURIES		F R E Q U E N C Y		DAYS LOST		S E V E R I T Y	
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
GLASS DIVISION	25,936,453	34,744,617	43	272	1.7	7.8	4,820	20,864	186	600
<u>MANUFACTURING</u>										
Fabricating										
Works 1	3,602,025	3,204,771	1	8	0.3	2.5	93	6,742	26	2104
Works 3	558,748	655,099	2	1	3.6	1.5	179	82	320	125
Works 22	-	294,024	-	0	-	0.0	-	0	-	0
Works 25	726,101	842,680	2	3	2.8	3.6	70	190	96	225
Works 26	1,437,021	1,461,771	1	1	0.7	0.7	11	13	8	9
Works 27	539,929	667,125	3	2	5.6	3.0	119	183	220	274
Total	6,863,824	7,125,470	9	15	1.3	2.1	472	7,210	69	1012
Plate, Float & Special										
Works 5	3,694,046	3,013,434	5	4	1.4	1.3	530	357	143	118
Works 7	2,493,087	2,471,525	0	0	0.0	0.0	0	0	0	0
Works 8	215,431	628,289	2	3	9.3	4.8	10	4,611	46	7339
Works 9	3,306,172	3,215,802	2	2	0.6	0.6	166	401	50	125
Works 21	643,116	661,171	2	2	3.1	3.0	100	109	155	165
Total	10,351,852	9,990,221	11	11	1.1	1.1	806	5,478	78	548
Window Glass										
Works 10	1,199,628	1,360,340	0	18	0.0	13.2	0	454	0	334
Works 11	1,924,895	1,927,623	4	1	2.1	0.5	333	50	173	26
Works 12	1,994,722	1,923,434	2	4	1.0	2.1	111	182	56	95
Works 14	982,518	999,581	5	5	5.1	5.0	145	153	148	153
Works 15	737,687	799,799	5	5	6.8	6.3	512	1,511	694	1889
Total	6,839,450	7,010,777	16	33	2.3	4.7	1,101	2,350	161	335
Gas Department	61,485	62,211	1	0	16.3	0.0	51	0	829	0
Architectural Metals	647,108	724,980	4	4	6.2	5.5	1,636	466	2,528	643
Total Manufacturing	24,763,719	24,913,659	41	63	1.7	2.5	4,066	15055	164	604
<u>RESEARCH & DEVELOPMENT</u>										
Harmarville	* 1,172,734	938,941	2	0	1.7	0.0	754	0	643	0

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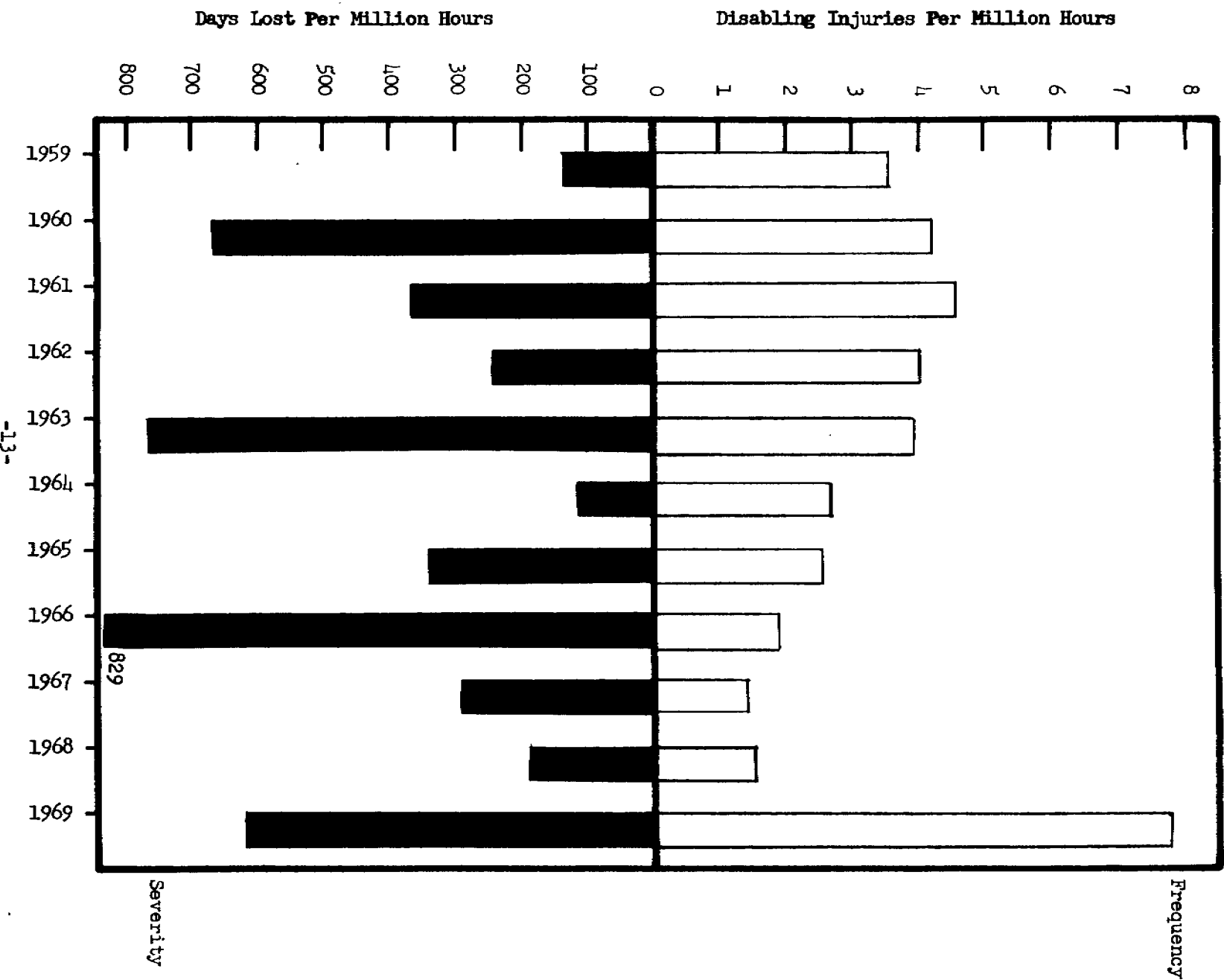
PPG INDUSTRIES
Glass Division Continued
Industrial Injury Report
1969

		F R E Q U E N C Y				S E V E R I T Y			
		LOST TIME							
		INJURIES		FREQUENCY		DAYS LOST		SEVERITY	
	MANHOURS	1968	1969	1968	1969	1968	1969	1968	1969
	1968								
** SALES & DISTRIBUTION									
Atlanta	1,651,887		51		30.9		1,308		792
Chicago	1,263,566		17		13.5		367		290
Dallas	1,748,703		46		26.3		1,483		848
New York	1,238,289		21		17.0		657		531
Pittsburgh	1,491,885		18		12.1		191		128
-12- Total	7,394,330		153		20.7		4,006		542
Distribution Centers	1,497,687		56		37.4		1,354		904
Total Sales & Distribution	8,892,017		209		23.5		5,360		603

** No figures available for Sales & Distribution in 1968

GLASS DIVISION

ACCIDENT EXPERIENCE



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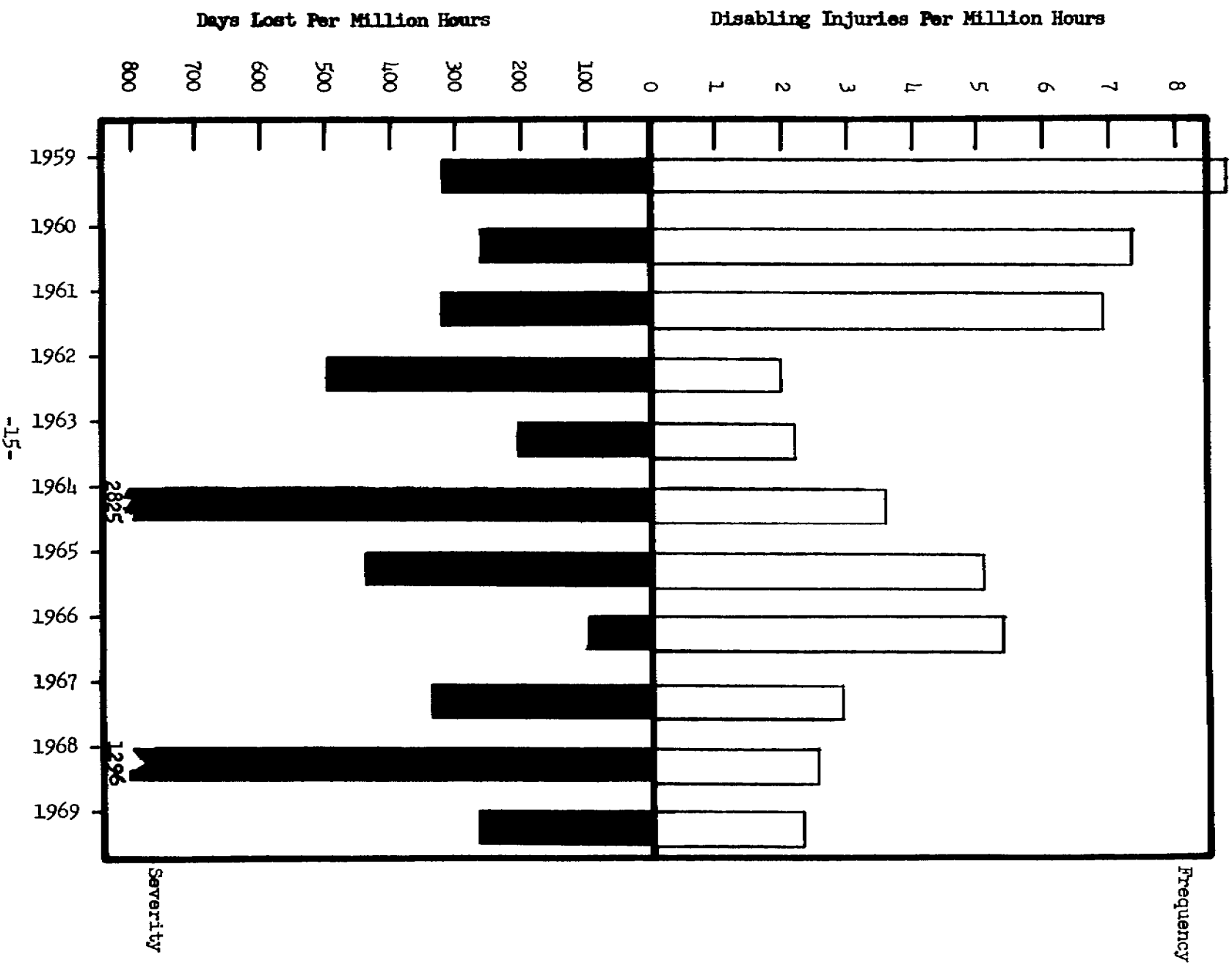
PPG INDUSTRIES
Industrial Injury Report
Fiber Glass Division

1969

	<u>MANHOURS</u>		<u>F R E Q U E N C Y</u>				<u>S E V E R I T Y</u>			
			<u>LOST TIME</u>		<u>FREQUENCY</u>		<u>DAYS LOST</u>		<u>SEVERITY</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
FIBER GLASS DIVISION	4,961,804	6,017,337	12	13	2.4	2.2	6,431	2,250	1,296	374
<u>MANUFACTURING</u>										
Works 50	1,079,219	1,085,303	6	2	4.8	1.8	5,966	119	5,528	110
Works 52	2,693,052	3,279,824	3	6	2.1	1.8	415	228	154	70
Works 53	1,189,533	1,537,471	3	5	3.1	3.3	50	1,903	42	1,238
Total	4,961,804	5,902,598	12	13	2.4	2.2	6,431	2,250	1,296	381
<u>RESEARCH & DEVELOPMENT</u>										
Harmarville	*	114,739	-	0	-	0.0	-	0	-	0

* Research was included with Glass Research in 1968.

FIBER GLASS DIVISION
ACCIDENT EXPERIENCE



PPG INDUSTRIES
Industrial Injury Report
Coatings & Resins Division

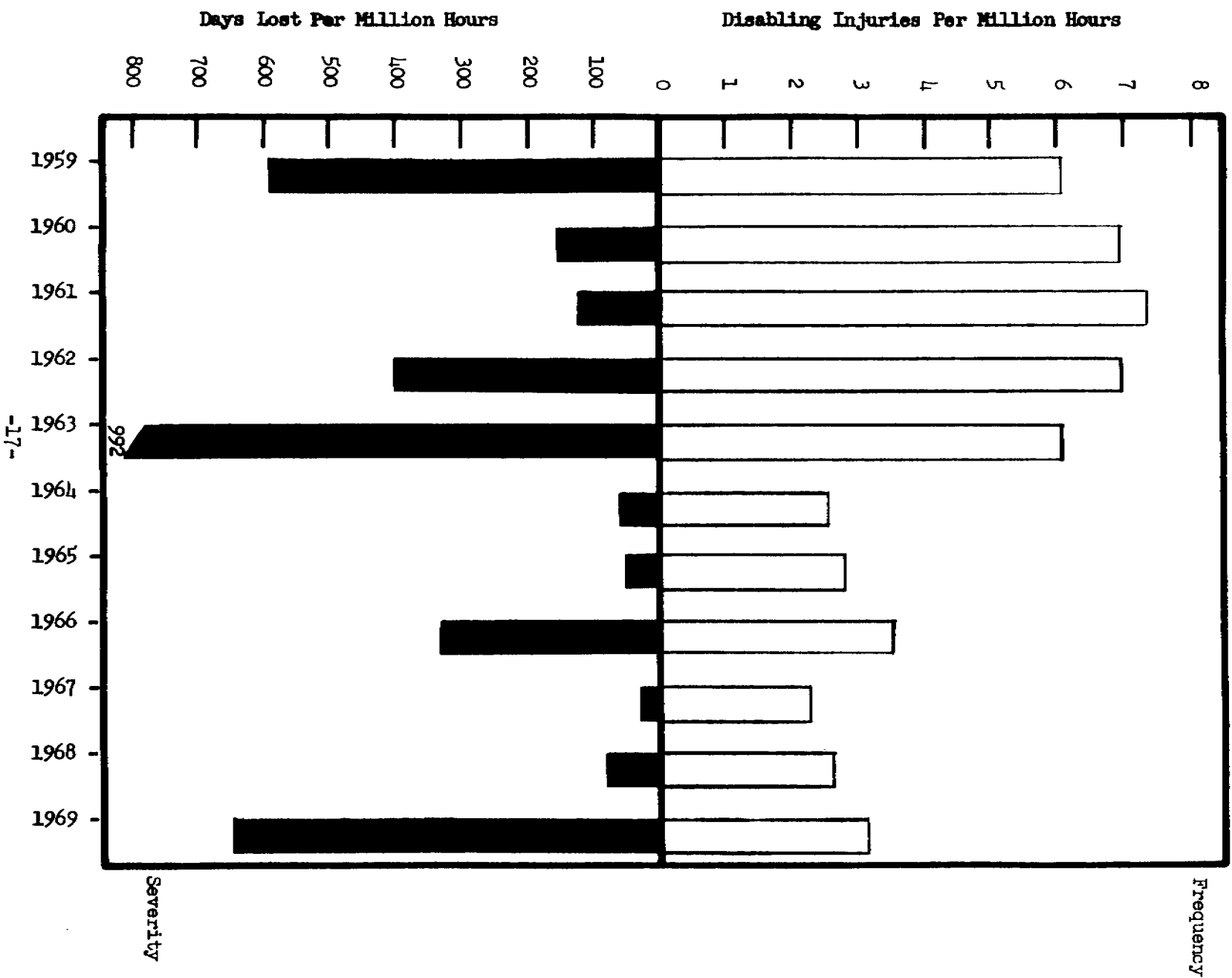
1969

	MANHOURS		F R E Q U E N C Y				S E V E R I T Y			
			LOST TIME INJURIES		FREQUENCY		DAYS LOST		SEVERITY	
	1968	1969	1968	1969	1968	1969	1968	1969	1968	1969
COATINGS & RESINS DIVISION	10,012,793	10,074,729	28	32	2.8	3.2	756	6,564	76	652
<u>MANUFACTURING</u>										
Baltimore	451,494	438,109	3	1	6.6	2.3	118	4	261	9
Berkeley	*	30,226	-	0	-	0.0	-	0	-	0
Bloomfield	340,470	371,371	4	1	11.7	2.7	144	43	423	116
Circleville	300,981	310,275	0	1	0.0	3.2	0	14	0	45
Cleveland	574,490	575,357	1	0	1.7	0.0	95	0	165	0
Delaware	611,942	675,332	0	0	0.0	0.0	0	0	0	0
East Point	353,495	372,174	2	3	5.7	8.1	50	39	141	105
Houston	378,496	441,479	1	2	2.6	4.5	18	74	48	168
Milwaukee	886,087	883,572	1	2	1.1	2.3	1	68	1	77
Newark	541,791	489,406	0	4	0.0	8.2	0	6,036	0	2333
Radiation Polymer	*	21,377	-	1	-	46.8	-	2	-	94
Red Wing	157,749	156,681	1	0	6.3	0.0	1	0	6	0
San Francisco	54,969	51,472	0	0	0.0	0.0	0	0	0	0
Springdale	515,785	592,449	0	2	0.0	3.4	0	188	0	317
Torrance	407,143	426,559	2	1	4.9	2.3	153	6	376	14
Total	5,574,892	5,835,839	15	18	2.7	3.1	580	6,474	104	1109
<u>RESEARCH & DEVELOPMENT</u>										
Springdale	553,945	592,293	1	0	1.8	0.0	56	0	101	0
<u>SALES & DISTRIBUTION</u>										
East Point	544,724	575,242	2	3	3.7	5.2	16	33	29	57
Houston	619,087	576,868	0	3	0.0	5.2	0	22	0	38
Milwaukee	685,296	626,962	1	2	1.5	3.2	7	18	10	29
Newark	497,619	432,909	2	1	4.0	2.3	12	2	24	5
Springdale	399,203	383,192	3	3	7.5	7.8	43	8	108	21
Torrance	420,482	374,500	1	1	2.4	2.7	4	3	10	8
Total	3,166,411	2,969,673	9	13	2.8	4.4	82	86	26	29
Ditzler Warehouses	122,500	132,916	0	0	0.0	0.0	0	0	0	0
Distribution Centers	182,924	168,138	3	1	16.4	5.9	38	4	208	24
Industrial Sales	412,121	375,870	0	0	0.0	0.0	0	0	0	0
Total Sales & Distribution	3,883,956	3,646,597	12	14	3.1	3.8	120	90	38	25

* Were not included in 1968 Report

COATINGS & RESINS DIVISION

ACCIDENT EXPERIENCE



SL 104059

PPG INDUSTRIES
1969
DISABLING INJURIES
PERIODS OF DISABILITY

<u>PLANT</u>	<u>1-7 Days</u>	<u>8-14 Days</u>	<u>15-21 Days</u>	<u>22-28 Days</u>	<u>Over 28 Days</u>
General Office	1				
Works 1		1			7
Works 3					1
Works 5					4
Works 8		1			2
Works 9				1	1
Works 10	5	2	3	1	7
Works 11					1
Works 12				1	3
Works 14		2	1		2
Works 15		2	1		2
Works 21		1			1
Works 25	1	1			1
Works 26		1			
Works 27	1				1
Arch. Metals					4
Atlanta Region C&S	21	7	7	3	13
Chicago Region C&S	9	1	2	2	3
Dallas Region C&S	29	3	1	2	11
New York Region C&S	10	3	1	2	5
Pgh. Region C&S	12	3		2	1
Dist. Centers C&S	24	5	10	4	13
Works 50					2
Works 52	1	1	1		3
Works 53	2		1		2
Barberton			1		5
Beaumont			1		3
Corpus Christi					2
Natrium		1	1		1
Baltimore	1				
Circleville		1			
East Point	1		1	1	
Houston			1		1
Milwaukee	1				1
Newark	2				2
Springdale					2
Torrance	1				
Radiation Polymer	1				
Newark D.C.	1				
East Point Pt. Ctr.	1	1	1		
Houston Pt. Ctr.	2	1			
Milwaukee Pt. Ctr.	1	1			
Newark Pt. Ctr.	1			1	
Springdale Pt. Ctr.	3				
Torrance Trade Paint Sales	1				
TOTAL PPG	133	39	34	20	107

PPG INDUSTRIES
1968 - 1969
DISABLING INJURIES
Cause and Classification

Excluding O&S

	<u>Number Cases</u>		<u>% of Total</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
<u>Objects</u>	16	32	15	26
	<u>1968</u>	<u>1969</u>		
Struck by	7	30		
Struck	9	2		
<u>Falls</u>			16	13
Lower Level	11	5		
Same Level	5	8		
<u>Strains & Sprains</u>			12	20
Back	10	13		
Ankle	2	6		
Hand	-	-		
Shoulder	-	-		
Knee	-	-		
Chest	-	-		
Other	-	1		
<u>Burns</u>			13	19
Thermal	6	11		
Chemical	6	8		
Electrical	1	-		
<u>Caught Between</u>			22	21
<u>Glass</u>			8	4
Struck By	6	4		
Struck	2	-		
<u>Infection</u>			2	3
<u>Slip - No Fall</u>			2	5
<u>Gas Inhalation</u>			1	1
<u>Eye Injuries</u>			7	2
<u>Vehicle Injuries</u>			4	3
<u>O. D. Cases</u>			-	-
<u>Hernia</u>			2	1
<u>Other</u>			-	-
<u>TOTAL</u>	105	125	100%	100%

FPG INDUSTRIES
1968 - 1969
DISABLING INJURIES
Cause and Classification

Contract & Supply Department

		Number Cases		% of Total	
		* 1968	1969	* 1968	1969
<u>Objects</u>				34	16
	* 1968	1969			
Struck by		21			
Struck		13			
<u>Falls</u>				30	14
Lower Level		20			
Same Level		10			
<u>Strains & Sprains</u>				64	31
Back		34			
Ankle		9			
Hand		-			
Shoulder		-			
Knee		8			
Chest		5			
Other		8			
<u>Burns</u>				1	1
Thermal		-			
Chemical		-			
Electrical		1			
<u>Caught Between</u>				8	4
<u>Glass</u>				54	26
Struck by		43			
Struck		11			
<u>Infection</u>		1		1	1
<u>Slip - No Fall</u>		3		3	1
<u>Gas Inhalation</u>		-		-	-
<u>Eye Injuries</u>		3		3	1
<u>Vehicle Injuries</u>		5		5	3
<u>O. D. Cases</u>		-		-	-
<u>Hernia</u>		5		5	3
<u>Other</u>		1		1	1
<u>TOTAL</u>				209	100%

* NOTE: CONTRACT & SUPPLY DID NOT REPORT IN 1968

PPG INDUSTRIES
1968 - 1969
DISABLING INJURIES
Cause and Classification

<u>Objects</u>	<u>Number Cases</u>		<u>% of Total</u>	
	<u>* 1968</u>	<u>1969</u>	<u>* 1968</u>	<u>1969</u>
	16	66	15	20
<u>Struck by</u>				
Struck	7	51		
	9	15		
<u>Falls</u>				
			16	43
Lower Level	11	25	15	13
Same Level	5	18		
<u>Strains & Sprains</u>				
			12	84
Back	10	47	11	25
Ankle	2	15		
Hand	-	-		
Shoulder	-	-		
Knee	-	8		
Chest	-	5		
Other	-	9		
<u>Burns</u>				
			13	20
Thermal	6	11	12	6
Chemical	6	8		
Electrical	1	1		
<u>Caught Between</u>				
			22	29
<u>Glass</u>				
			8	58
Struck by	6	47	8	17
Struck	2	11		
<u>Infection</u>				
			2	4
<u>Slip - No Fall</u>				
			2	8
<u>Gas Inhalation</u>				
			1	1
<u>Eye Injuries</u>				
			7	5
<u>Vehicle Injuries</u>				
			4	8
<u>O. D. Cases</u>				
			-	-
<u>Hernia</u>				
			2	6
<u>Other</u>				
			2	2
<u>Other</u>				
			-	1
<u>TOTAL</u>				
			105	333
			100%	100%

* Contract & Supply Department was not reported in 1968

PPG INDUSTRIES
1968-1969
SUMMARY - DISABLING INJURIES

AGE GROUPS *

<u>Age</u>	<u>Number Employees</u> <u>Total Work Force</u>		<u>Percent of</u> <u>Total Force</u>		<u>Disabling</u> <u>Injuries</u>		<u>% Total</u> <u>Injuries</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
Under 20 years	775	951	3	3	2	16	2	5
20 - 25 years	3,801	4,518	14	15	20	54	19	17
26 - 30 years	3,443	4,288	13	14	16	43	15	14
31 - 40 years	5,960	6,798	23	22	23	81	22	21
41 - 50 years	6,859	8,036	26	26	25	79	24	24
51 - 60 years	4,641	5,375	18	17	17	45	16	14
61 - 70 years	874	983	3	3	2	15	2	5
71 years & over	1	4	-	-	-	-	-	-
Totals	26,354	30,953	100%	100%	105	333	100%	100%

1968 - 1969
SUMMARY - DISABLING INJURIES

LENGTH OF SERVICE *

<u>Service</u>	<u>Number</u> <u>Injuries</u>		<u>% of</u> <u>Total</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
Under 6 months	13	48	12	14
6 mo. to 1 yr.	7	35	7	11
1 to 2 years	29	45	28	14
3 years	-	19	-	6
4 years	5	13	5	4
5 years	2	14	2	4
6 to 10 years	11	44	10	13
11 to 20 years	21	61	20	18
21 to 30 years	11	42	10	13
31 to 40 years	6	11	6	3
41 and over	-	1	-	-
Totals	105	333	100%	100%

* The Contract & Supply Department was not included in the 1968 Report.

* The Newark Paint Centers, General Office, and Pittsburgh Corning Corporation are not included in either 1968 or 1969.

PPG INDUSTRIES
HERNIA AND BACK CASES

<u>PLANT</u>	<u>HERNIA</u>				<u>BACK CASES</u>			
	<u>NUMBER</u>		<u>DAYS LOST</u>		<u>NUMBER</u>		<u>DAYS LOST</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
General Office	0	0	0	0	0	1	0	2
Works 5	3	-	109	-	-	-	-	-
Works 10	5	-	390	-	-	1	-	38
Works 11	1	-	67	-	-	-	-	-
Works 12	3	-	110	-	-	-	-	-
Works 14	-	-	-	-	1	-	39	-
Works 15	-	-	-	-	1	1	6	3
Works 21	-	-	-	-	-	1	-	9
Works 27	-	-	-	-	-	1	-	178
Arch. Metals	-	-	-	-	2	-	85	-
Atlanta Region C&S	**	3	-	100	-	12	-	217
Dallas Region C&S	**	-	-	-	-	9	-	359
New York Region C&S	**	1	-	63	-	2	-	14
Pgh. Region C&S	**	1	-	22	-	3	-	16
Dist. Ctrs. C&S	**	-	-	-	-	8	-	233
Works 50	-	-	-	-	1	-	214	-
Works 52	-	-	-	-	-	1	-	20
Works 53	1 *	-	28	-	-	1	-	3
Baltimore	-	-	-	-	-	1	-	4
Bloomfield	-	-	-	-	1	-	9	-
Houston	-	-	-	-	-	1	-	74
Milwaukee	-	1	-	64	-	-	-	-
C&R Research	1 *	-	56	-	-	-	-	-
East Point P.C.	-	-	-	-	1	1	14	1
Houston P.C.	1	-	13	-	-	-	-	-
Newark P.C.	-	-	-	-	1	-	9	-
Springdale P.C.	-	-	-	-	1	-	3	-
Milwaukee P.C.	-	-	-	-	-	2	-	18
Torrance Trade Sales	-	-	-	-	-	1	-	3
Milwaukee D.C.	-	-	-	-	1	-	27	-
TOTALS	15	6	773	249	10	47	406	1192

* Hernia Cases Chargeable According to the ANSI Z16.1 Code

** Not reported in 1968

PITTSBURGH CORNING CORPORATION

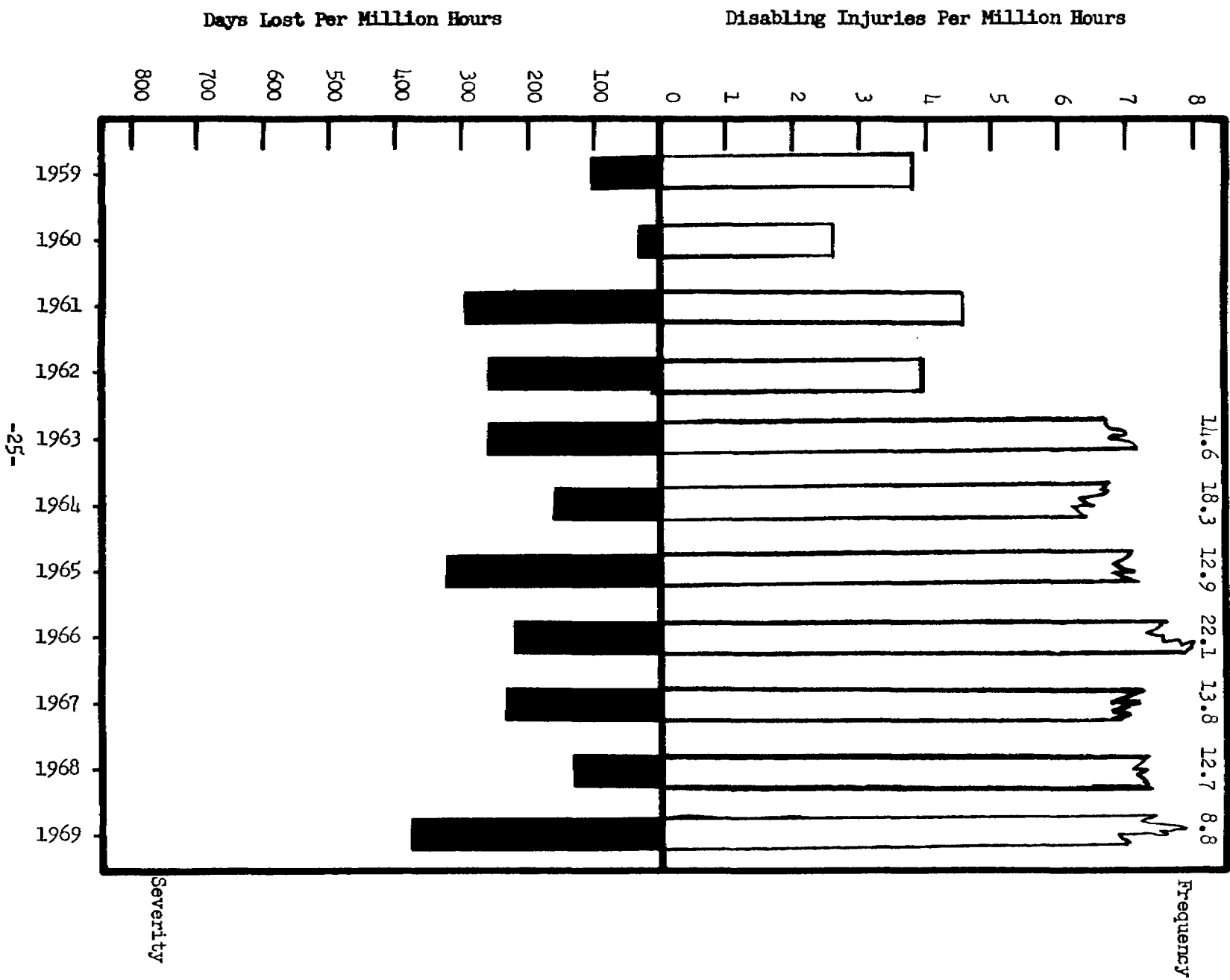
Industrial Injury Report

1969

	<u>MANHOURS</u>		<u>F R E Q U E N C Y</u>				<u>S E V E R I T Y</u>			
			<u>LOST TIME</u>				<u>DAYS LOST</u>			
	<u>1968</u>	<u>1969</u>	<u>INJURIES</u>		<u>FREQUENCY</u>		<u>1968</u>	<u>1969</u>	<u>SEVERITY</u>	
			<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
PITTSBURGH CORNING CORPORATION	1,569,095	1,598,791	20	14	12.7	8.8	247	630	157	394
<u>MANUFACTURING</u>										
Port Allegany	836,804	899,651	6	1	7.2	1.1	167	60	200	67
Sedalia	462,759	440,221	0	2	0.0	4.5	0	70	0	159
Tyler	144,895	134,419	14	11	96.6	81.8	80	500	552	3,720
Total	1,444,458	1,474,291	20	14	13.8	9.5	247	630	170	427
<u>RESEARCH</u>										
Monroeville	124,637	124,500	0	0	0.0	0.0	0	0	0	0

PITTSBURGH-CORNING CORPORATION

ACCIDENT EXPERIENCE



SL 104063

-25-

PITTSBURGH CORNING CORPORATION

1969

DISABLING INJURIES
Periods of Disability

	<u>1 - 7 Days</u>		<u>8 - 14 Days</u>		<u>15 - 21 Days</u>		<u>22 - 28 Days</u>		<u>Over 28 Days</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
Port Allegary	2	-	1	-	0	-	1	0	2	1
Sedalia	0	-	0	1	0	-	0	0	0	1
Tyler	10	2	3	2	1	1	0	0	0	6
Research	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTALS	12	2	4	3	1	1	1	0	2	8

PITTSBURGH CORNING CORPORATION
1968 - 1969
DISABLING INJURIES
Cause and Classification

		<u>NUMBER CASES</u>		<u>% OF TOTAL</u>	
		<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
<u>Strains & Sprains</u>		6	4	30	29
	Back	3	2		
	Ankle	2			
	Hand	0			
	Shoulder	1	1		
	Knee	0	1		
	Chest	0			
	Other	0			
<u>Objects</u>		6	3	30	21
	Struck By	4	2		
	Struck	2	1		
<u>Falls</u>		1	1	5	7
	Lower Level	0	0		
	Same Level	1	1		
<u>Eye Injuries</u>		4	1	20	7
<u>Burns</u>		0	1	0	7
	Thermal	0	0		
	Chemical	0	0		
	Electrical	0	1		
<u>Caught Between</u>		0	2	0	14
<u>Glass</u>		0	0	0	0
	Struck by	0	0		
	Struck	0	0		
<u>Slip - No Falls</u>		2	0	10	0
<u>O.D. Cases</u>		0	0	0	0
<u>Infection</u>		0	0	0	0
<u>Vehicle Injuries</u>		0	0	0	0
<u>Gas Inhalation</u>		0	0	0	0
<u>Hernia</u>		1	2	5	14
<u>Other</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>TOTAL</u>		19	14	100%	100%

PITTSBURGH CORNING CORPORATION
1968 - 1969
SUMMARY - DISABLING INJURIES

AGE GROUPS

<u>Age</u>	<u>Number Employees</u> <u>Total Work Force</u>		<u>% Total</u> <u>Work Force</u>		<u>Disabling</u> <u>Injuries</u>		<u>% Total</u> <u>Injuries</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
Under 20 years	17	15	2	2	-	-	-	-
20 - 25 years	67	65	8	8	2	3	10	21
26 - 30 years	65	54	8	7	3	4	15	29
31 - 40 years	189	188	24	23	6	3	30	21
41 - 50 years	218	224	27	28	6	2	20	14
51 - 60 years	205	205	25	26	3	2	15	14
61 - 70 years	46	39	6	5	-	-	-	-
71 years & over	-	-	-	-	-	-	-	-
TOTALS	807	802	100%	100%	20	14	100%	100%

1968 - 1969
SUMMARY - DISABLING INJURIES

LENGTH OF SERVICE

<u>Service</u>	<u>Number</u> <u>Injuries</u>		<u>% of</u> <u>Total</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
Under 6 months	5	6	25	43
6 months - 1 year	2	-	10	-
1 - 2 years	4	4	20	29
3 years	1	-	5	-
4 years	0	2	-	14
5 years	1	-	5	-
6 - 10 years	2	-	10	-
11 - 20 years	4	1	20	7
21 - 30 years	1	-	5	-
31 - 40 years	-	1	-	7
TOTALS	20	14	100%	100%

PITTSBURGH CORNING CORPORATION
Hernia and Back Cases
1969

<u>PLANT</u>	<u>HERNIAS</u>				<u>BACK CASES</u>			
	<u>NUMBER</u>		<u>DAYS LOST</u>		<u>NUMBER</u>		<u>DAYS LOST</u>	
	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>	<u>1968</u>	<u>1969</u>
Port Allegany	1	0	83	0	5	0	44	0
Sedalia	0	1	0	57	0	1	0	13
Tyler	<u>0</u>	<u>1</u>	<u>0</u>	<u>73</u>	<u>1</u>	<u>2</u>	<u>78</u>	<u>84</u>
TOTALS	1	2	83	130	6	3	122	97

YEAR END REPORT

FATALITIES

OBJECT - STRUCK BY Barberton 69-1105 23 Catalyst Oper. 5 yrs. 2/16/69
The employee was an operator in the Organic Area and died instantly of compound skull fractures and multiple body injuries incurred when an explosion occurred in the Isopropyl Percarbonate (IPP) unit. Time charge: 6000 days.

BURNS - THERMAL Works 1 69-1186 41 Water Tender 25 yrs. 4/13/69
The employee was re-lighting a fire in #1 Boiler which was apparently lost when the stokers jammed. For some reason, a violent blow-back engulfed him in flames and he died as a result of burns over 70% of his body. Time charge: 6000 days.

BURNS - CHEMICAL Newark 69-189 49 Foreman 29 yrs. 5/27/69
The man died of shock and 100% third degree burns of his entire body after an explosion occurred. It is believed that initial generation of pressure in the Thinning Tank which caused the rupture of the friable manhole and the introduction of solvent fumes and liquid into the building was caused by the introduction of water with kettle solvent rinse. This mixture of fumes was then ignited by the oil fire boilers.

YEAR END REPORT

PERMANENT PARTIALS

CAUGHT BETWEEN

Works 8 69-2406 38 Utility Man 19 yrs. 8/4/69
The injured was attempting to clear a build-up off the head pulley on the cross country conveyor by using a wire brush. In the process, his arm was caught causing traumatic amputation. Time charge: 4500 days.

OBJECT - STRUCK
BY

Works 9 69-1800 44 Box Maker 19 yrs. 11/10/69
The employee was cutting 37" boards for pallets. He placed five 1 x 5 boards, 10' long on the saw bench, made the cut and moved the boards into position to trim and square the ends. He placed his left hand on top of the boards, grasped the saw with his right hand and pulled it forward. He struck his thumb and index finger severing the end of the distal joint of his left thumb. Time charge: 300 days.

OBJECT - STRUCK

Works 10 69-1372 40 Ripper 19 yrs. 8/6/69
The worker had made his cut and was bringing back lumber when it hung up. He reached over with his right hand to pull the lumber back and got his finger in the saw. One-fourth inch of distal phalanx was severed. Time charge: 75 days.

CAUGHT BETWEEN

Works 11 61-3207 45 Electrician 23 yrs. 7/11/69
The man was working on the roll raise table, feed end, of No. 2 Lehr. In order to stop the machine malfunction, he activated the limit switch on the roll raise table by hand and as the table reached its maximum upward travel, it caught the tip of his little finger between the raising frame and the limit switch bar. The tip of his finger was amputated. Time charge: 50 days.

CAUGHT BETWEEN

Works 15 489 35 Utility Man 8/26/69
The corner table drive coupling had broken on the run-in section of #1 corner table. A lite of glass stopped half way out on the dead corner table rolls. Two employees proceeded to push the sheet out on the corner table with gloved hands. As soon as the first sheet was cleared, a second sheet was pushed through by hand and finally a third sheet which cleared the conveyor was pushed through. This sheet pivoted around and caught on the snap section drive sprocket. One man reached into the snap section drive with his right hand and caught it in an air cylinder actuated chain tightener assembly on the snap roll drive. He suffered a traumatic amputation of four fingers on his right hand at the proximal joint and a partial amputation of the tip of his right thumb. Time charge: 1440 days.

CAUGHT BETWEEN

Arch. Metals 69-25 21 Material Handler 9 days. 4/21/69
The employee was helping the saw operator to cut extrusions to length. The operator had cut a piece to length, checked it with a tape measure and part of it was too long so he was positioning it to re-cut. He failed to inform his helper who thought he was going to put the part aside. The helper had taken hold of the end to do this and the saw operator didn't notice his hand in the way when he activated the power conveyor. It pinched his finger between the part and the saw stop causing a loss of two-thirds of his distal phalange, fourth finger, right hand. Time charge: 50 days.

OBJECT - STRUCK
BY

Arch. Metals 69-39 27 Press Oper. 2 yrs. 6/28/69
The injured was taking dies apart which required cutting an extrusion between the die and the bolster using a chisel and hammer. The head of the hammer came off the handle and struck the tip of his second finger which was resting on the bolster. His finger was mashed causing amputation of the distal joint of the left second finger. Time charge: 75 days.

CAUGHT BETWEEN

Arch. Metals 69-58 19 Saw Oper. 3 mo. 9/10/69
The man was trimming off 8660 ($3\frac{1}{2}$ x $1\frac{1}{4}$ alum. angle) to 5" long. The holding clamp hit the angle and tipped it up into the saw. The worker's hand was under the blade. He suffered amputation of 1/3 of the first joint of the thumb and lacerations of the first and second fingers of his left hand. Time charge: 100 days.

OBJECT - STRUCK

Works 21 669-6 55 Whseman 12 yrs. 8/9/69
The employee was sawing 1" strips out of a piece of $3\frac{3}{4}$ " lumb r approximately 4' long for use in a special box he was constructing. He had just cut the 2" strips he needed and then moved the rip fence to the right, away from the blade and for a reason which he can't explain reached back alongside the still rotating saw blade to retrieve the strip. As he did so, his right index finger came in contact with the blade. He lost his nail and part of the distal phalange of his right index finger. Time charge: 100 days.

CAUGHT BETWEEN

Works 52 69-64 22 Matline Relief 2 mo. 5/16/69
The employee was running the chopper on the matline. He had a lap-up on the feed roller and removed the anvil roller in order to clean the lap-up off the roller. The strand fell out and he caught it without returning the anvil roller. The chopper caught the strand and pulled his finger into the blades. Amputation first joint, right middle finger. Time charge: 75 days.

CAUGHT BETWEEN

Works 52 69-54 29 Forming Op. 14 mo. 5/4/69
The injured was assigned to Tank 512, #2 Forehearth, as a forming operator. He decided that he needed to change the graphite shoe on one of his winding positions. He reached around behind Tank 510, #1 position, to locate a new shoe on the applicator rail. In doing so, his left finger was caught between the applicator drive sprocket and the chain, cutting off his finger just behind the finger nail. The man was taken to the hospital where his finger was amputated to the first joint. Time charge: 60 days.

CAUGHT BETWEEN

Works 52 69-135 19 O.A. 13 mo. 9/6/69
The batch unloader asked the man to hold a piece of metal under the wheel of a boxcar so it wouldn't roll. When the rope holding the car was released, the wheel settled back on a piece of steel. The injured's finger was caught underneath the steel and he suffered a traumatic amputation of the end of lt. ring finger just behind the nail. Time charge: 60 days.

EYE INJURY

Works 53 69-12 25 Air Cond. and
Gas Tech. 1 yr. 2 mo. 1/30/69
A maintenance employee was working on a spray pump shaft trying to remove a brass bushing which had been heated and pressed onto the shaft. The injured walked up to see how the work was progressing. As he approached, he came to a position in line with the shaft and in a direction with the line of flight in which the other employee was tapping the bushing. A piece of brass chipped off and flew toward him striking his left eye. He lost sight in his left eye. Time charge: 1800 days.