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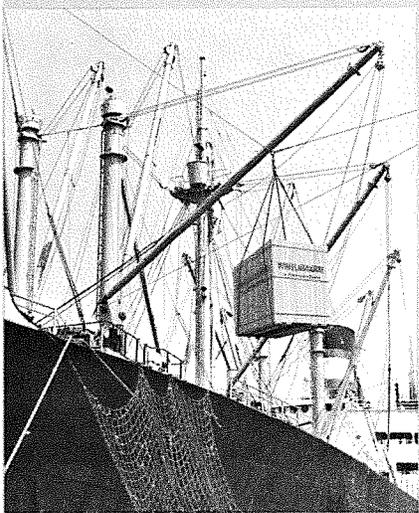
1961

WHEELABRATOR

# PARADE



**ON THE COVER**



Realizing that industry everywhere faces the same need for efficient and economical abrasive blast cleaning and dust and fume control equipment, Wheelabrator has established itself as a worldwide operation — and made scenes like the one pictured on the cover a frequent occurrence.

In addition to four manufacturing licensees — located in Sao Paulo, Brazil; Altrincham, England; Schaffhausen, Switzerland and Nagoya, Japan — sales and service representatives come to a total of 26 carefully selected firms with locations in 62 cities, in 43 countries of the free world.

Because of this worldwide sales and service availability, many U.S. firms with overseas operations are able to establish company-wide procedures and maintenance programs through the exclusive use of Wheelabrator equipment and products.

**THE 1960 REPORT . . .**

**COMPANY  
CONTRIBUTES  
\$264,422.04  
TO PROFIT-SHARING**

**PRESIDENT CONNAUGHTON COMMENTS**



I am pleased to announce that \$264,422.04 has been contributed by the Company to the Wheelabrator Employees' Savings and Profit-Sharing Trust Fund for the year ending December 31, 1960.

The year's contribution, though sizeable, points out what I have been emphasizing in many of my recent PARADE messages — and that is the extreme importance of cost reduction.

Perhaps the need for cost reduction will be more clearly understood when I tell you that sales in 1960 exceeded those for the previous year by 2.6 percent, yet our profits were 15 percent less. The Company's Profit-Sharing contribution for 1959 was \$309,559.51.

*To See Profits Grow, We Have to be Cost Conscious*

In part, the decreased profits in 1960 were due to lower-than-usual sales of goods which provide higher profit margins. And certain sales that accounted for the larger total sales volume in 1960 did not return the normal amount of profit.

This was because competition was so intense during the past year that it was necessary to quote prices that did not allow our customary markup. If we are forced to continue this practice under present day costs, the Company's Profit-Sharing contributions will never match those of the past.

There is no question about it. We have to become more efficient than competition by reducing our costs all down the line . . . and we can do this very simply if each individual works a little harder, pays a little closer attention to the tasks at hand and thinks of his job in terms of the partnership that it really is. *Only then will we be capable of selling more goods and building more profits by underbidding competition.*

As soon as this is clear to every individual in the organization, our business and Profit-Sharing report will reflect it.

*The Challenge of '61*

Forecasters tell us that expenditures during the first half of 1961 are going to be as slight as they were toward the end of 1960 . . . perhaps even more reduced. With such conditions, competition for the business that will be available is certain to be stronger than ever before.

At no time has it been so important that every individual in the organization contribute 100 percent to the continuing battle of cost reduction.

So let's not feel disappointed over the profits for 1960. Instead, let's learn from the lessons it teaches and face the challenge of '61 with the determination and confidence that we must possess in order to meet and overcome the obstacles that will confront us.

Surely we must all accept this challenge as a personal one.

*J. F. Connaughton*  
President

**WHEELABRATOR  
PARADE**

Published for Employees of  
Wheelabrator Corporation  
Mishawaka, Indiana

OVER THE YEARS . . .

## THE FUND TODAY

Would anyone have thought that only 14 years after the beginning of Profit-Sharing at Wheelabrator the Fund would total over \$5 million and that retired and separated members would be paid balances of almost \$2 million. This is exactly what has happened here since our Profit-Sharing Plan was inaugurated in 1947.

A glance at the chart below will show where the money has come from to establish our \$5,097,142.00 retirement fund. Over the years, contributions of Fund members at the rate of up to 5 percent of earnings have placed \$2,075,259.00 toward the present balance. The Company has contributed \$3,802,455.00 of our present sum, based upon a formula providing annual payments equal to \$7,200 plus 10 percent of our net earnings before Federal Taxes are computed. In addition, Fund earnings on investments owned now total \$953,561.00.

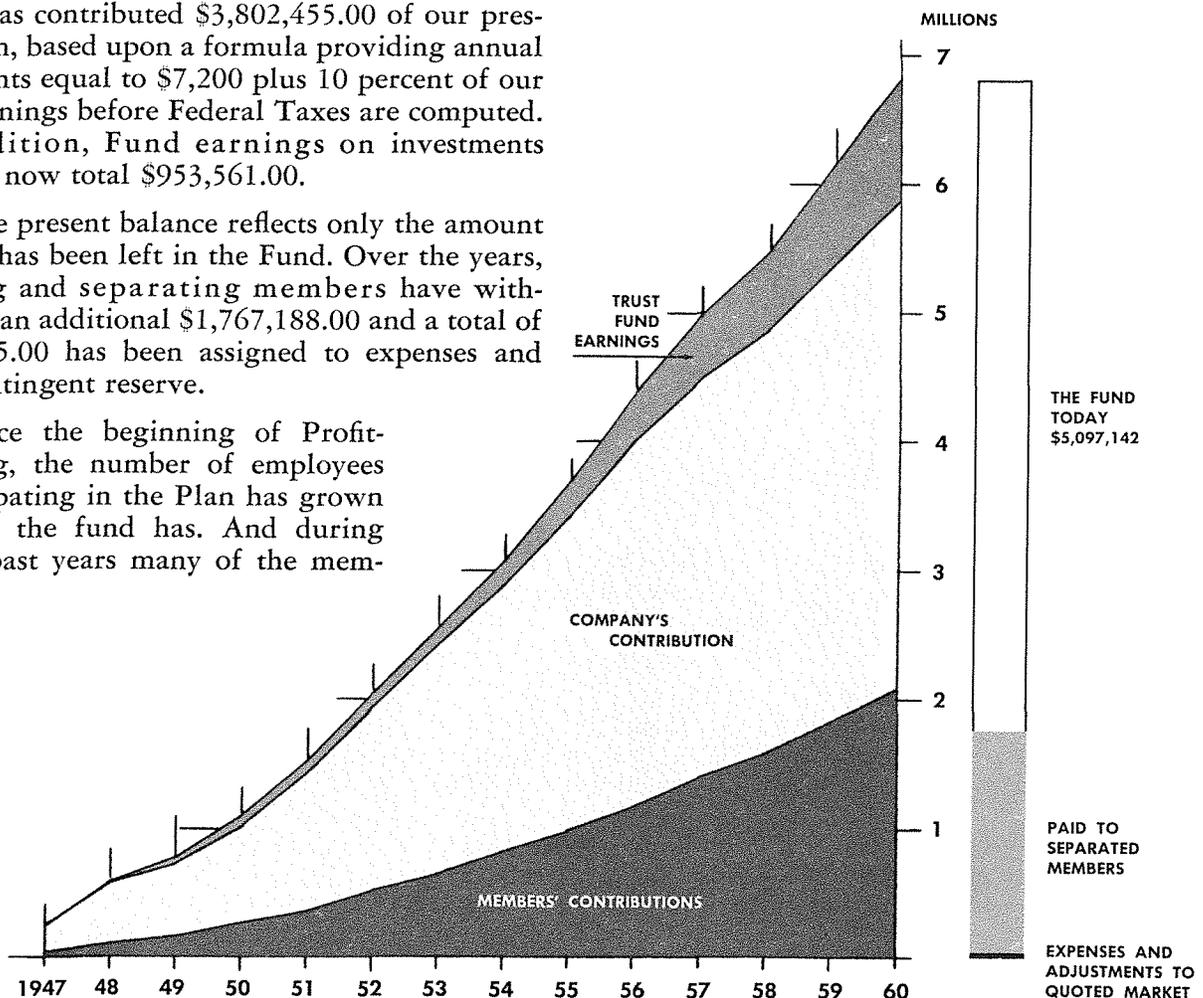
The present balance reflects only the amount which has been left in the Fund. Over the years, retiring and separating members have withdrawn an additional \$1,767,188.00 and a total of \$33,055.00 has been assigned to expenses and the contingent reserve.

Since the beginning of Profit-Sharing, the number of employees participating in the Plan has grown just as the fund has. And during these past years many of the mem-

bers have retired from the Company with average balances sufficient to insure a comfortable living for the remainder of their days.

Of course, every full time permanent employee with one or more years service with the Company automatically becomes eligible for membership in the Plan. The participants, however, who benefit the most are the ones who save the full 5 percent of their earnings. But any one of the members will tell you that he has a stake in the prosperity of a growing Company. And there is a special awareness with these employees, who watch their retirement estates grow, that they are contributing to the success of the Company through their individual efforts, and that this partnership spirit is producing large returns for both them and the Company.

They realize, too, that when the time comes for them to retire, their Trust Fund balance added to Social Security payments will keep them well taken care of. This awareness provides real assurance and peace of mind — whether retirement is one or twenty years away.



# THEY BLAST THEIR BRIDGES before they're built

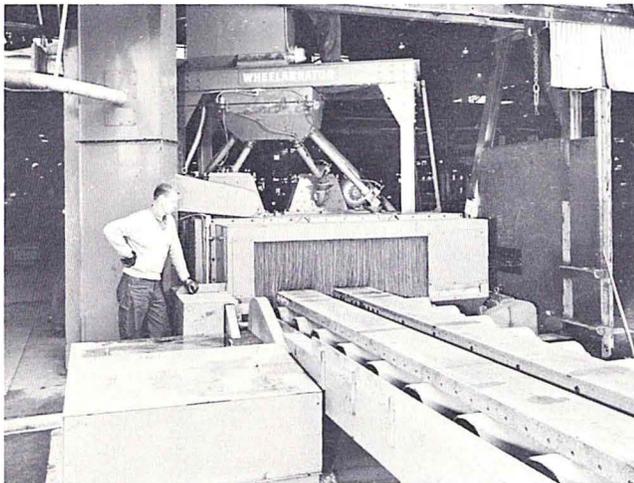
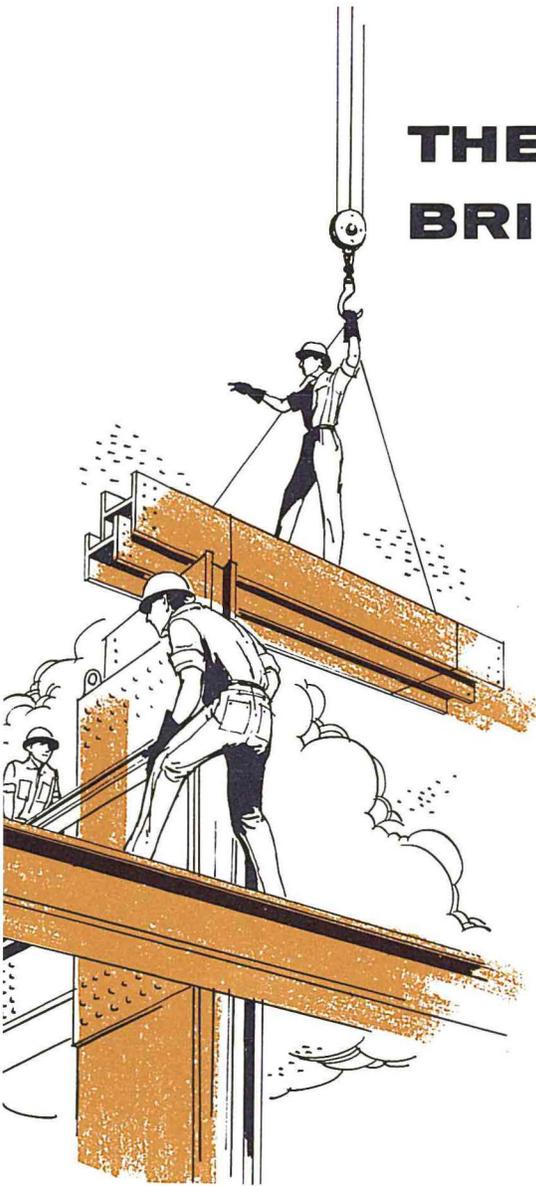
Blast cleaning of structural steel for bridges, as well as for buildings, power transmission towers, radio and TV antennas, and other steel-frame structures is now a paying proposition, since Wheelabrator airless abrasive blasting has proven to be ideally suited to the needs of structural fabricators.

The Wheelabrator method effectively removes scale, rust and corrosion — even old paint. It leaves a uniform matte finish that is a perfect base for any subsequent protective coating that may be specified, from paint to galvanizing, assuring longer lasting protection and a superior structural product. In bridge construction, particularly, this can produce important savings for many years to come, through reduced maintenance of the completed structure. The annual repainting cost is a major item of expense on most major bridges today, running up to \$70,000.00 on some of the largest structures. In addition, the equipment needed to do this work may cost several times the annual expenditure for cleaning and painting.

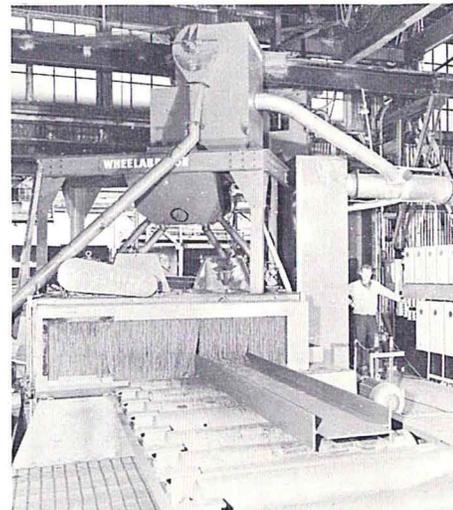
It has been demonstrated, however, that a blast-cleaned surface drastically reduces this maintenance requirement. Where bridges and other exposed structural members require almost constant attention when paint is applied over mill scale or inadequately-cleaned surfaces, the life of a protective coating can be from 3 to 6 years when applied over Wheelabrator-cleaned steel.

## Canada Leads In Structural Specifications

In Canada, for example, where specifications for surface prepara-



At Western Bridge & Steel Fabricators, Ltd., a Wheelabrator cabinet is installed near the beginning of the fabricating line. Structural members pass first through the descaling abrasive blast, as they enter the plant for further processing. All subsequent operations benefit as a result of working with thoroughly cleaned steel.



A large I-beam emerges from the Wheelabrator inside the plant at Western Bridge & Steel Fabricators, Ltd. All scale, rust and corrosion is thoroughly removed in one pass through the abrasive blast, which is directed against all surfaces of the steel simultaneously.

tion of structural steel have been relatively strict, most of the prominent structural fabricating plants have adopted Wheelabrator airless blast cleaning. Similarly, the St. Lawrence Seaway steel specifications have given added impetus to use of Wheelabrator equipment for this purpose.

Manual wire brushing or sand blasting were formerly the most common methods for cleaning structural steel, with acid pickling being used in certain conditions. However, these methods now have been proven to be excessively costly in labor and maintenance, with actual disadvantages in finished results. As a result, specifications for blast cleaned steel are being encountered more frequently, and are becoming more stringent.

### Advantages for Fabricators

Beyond the advantages of an improved structural product with better surface protection, there are important cost-savings for fabricators who use Wheelabrator airless blast cleaning.

Probably most far-reaching in its benefit is the opportunity the Wheelabrator method affords to employ straight-line production in structural fabricating. This has been the key to increased efficiency in many shops where mechanization of processes and co-ordinated work flow have been relatively difficult to achieve.

At Western Bridge & Steel Fabricators, Ltd., Van-

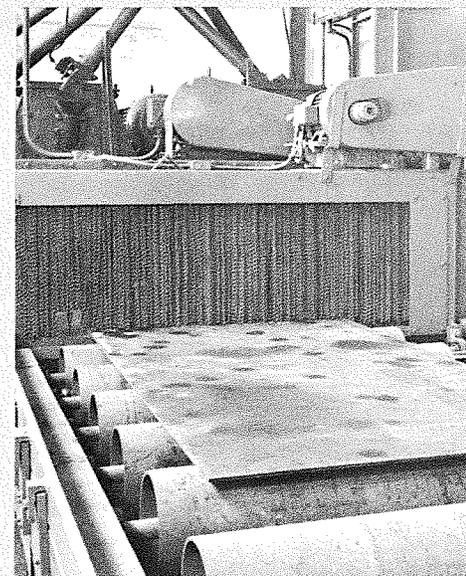
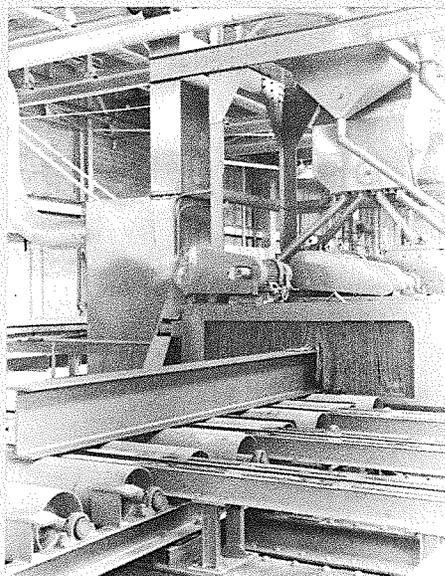
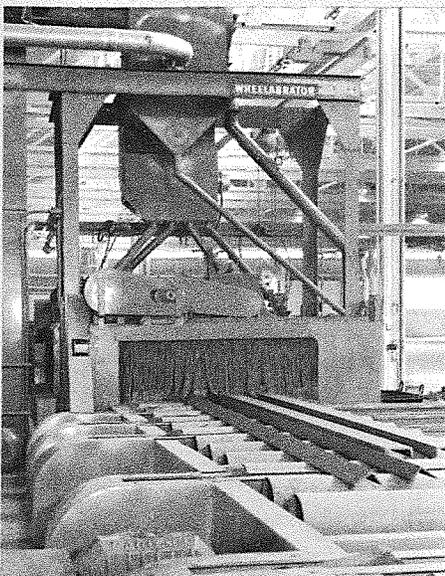
cover, B. C., for example, a 4-wheel roll conveyor Wheelabrator cabinet was installed to replace manual and power rotary brushes to descale steel channels, angles and plate. The result has been a dramatic increase in production efficiency, and a significant decrease in cleaning costs.

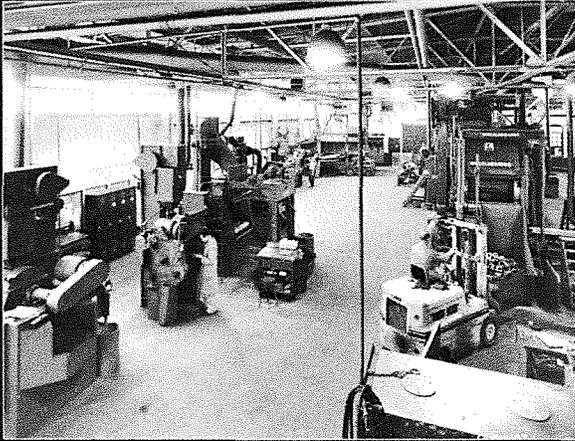
Compared to the former method of cleaning, using wire brushes (and that did not remove tight scale) their present costs are just under 50 percent. Among other benefits enjoyed by this company since installing the Wheelabrator are better welding preparation, plant housekeeping, layout, gas burning and tool life.

More recently, Western Bridge has instituted a carefully-supervised cost control program which has cut abrasive consumption, thereby making further savings in total cleaning costs.

Multiple-handling of structural members is reduced wherever blast cleaning is employed. By installing the Wheelabrator in the production line to clean cut-to-length members, all subsequent operations get the advantages of working with thoroughly-cleaned steel. Inspection, layout, cutting, welding and painting all proceed more efficiently. And, the Wheelabrator can be used for many other cleaning and reconditioning operations, such as cleaning dies, welding jigs and fixtures, and many types of weldments, in addition to the large steel channels, plate, beams and angles which are the bulk of a structural shop's fabrication.

A wide variety of structural shapes from small angles to large I-beams, flat plate, channels, rod and bar stock, and partially fabricated structural components can be cleaned in the Wheelabrator cabinet. Cleaning speeds can be governed by the speed of the conveyor to accommodate varying requirements.





Virtually any type of Wheelabrator operation can be simulated in one of the machines installed in the Demonstration Department.

## LET US SHOW YOU

**Each Year Hundreds of our Prospects  
Come to Mishawaka to Watch Us Prove  
What Wheelabrator Blasting Can Do**

No doubt you're familiar with the vacuum cleaner salesman going from house to house in an effort to sell his product. And sure as can be, he always totes his vacuum cleaner along to demonstrate how well it works.

When selling industrial equipment the story is much the same . . . the customer wants to see the results. But our field engineers can hardly be expected to haul Wheelabrators around on their calls. So instead, they request a demonstration at Mishawaka in order that prospects can witness the testing and results obtained with their products.

Such was the case when field engineer Tim McLaughlin notified Demonstration Engineer Frank Pedrotty that Eaton Manufacturing Company, Massilon, Ohio, was interested in a wire rod cleaning machine. After Frank collected all the information on the product, production requirements, etc., the test was placed on his agenda, which generally contains a backlog of 30 to 50 jobs. As soon as possible, he and Demonstration Department Supervisor Harold Garman decided on a date for the test that was mutually convenient for Wheelabrator and Eaton.

But still other preparations were necessary before actual testing could begin. The 3-wheel rod machine had to be charged with the right abrasive and a tank had to be constructed for a special rust inhibitor in which the coils could be immersed after blast cleaning.

By the time the representative from Eaton arrived for the test, everything was ready. A total of 67 coils of wire rod weighing 180 pounds had been shipped in advance and necessary equipment and operators were standing by.

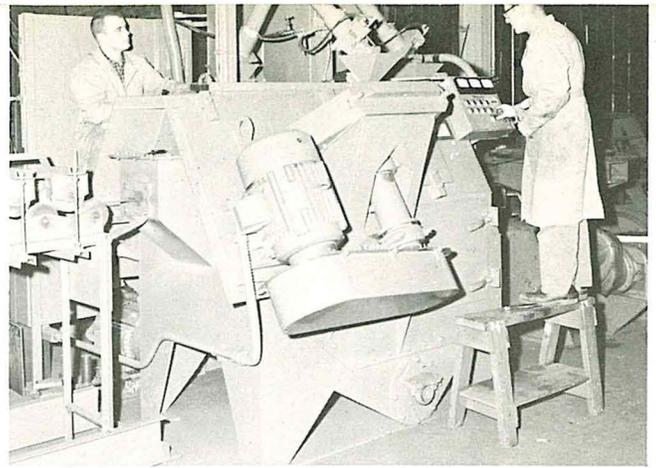
During the conduct of the tests, various cleaning speeds were simulated in order that the most efficient cleaning rate could be determined.

When the testing was completed, the coils were returned to Eaton Manufacturing Company where the results of Wheelabrator descaling could be compared in subsequent processing with their present acid pickling method of cleaning which they desire to eliminate from their operations.

We should mention, however, that although the presence of a customer representative, who is qualified to pass judgment, contributes much to the effectiveness of the test and selling job, many demonstrations are equally successful without visitors from the prospects' company.



The congenial attitude of Demonstration Engineer Frank Pedrotty is a real asset in his work with our customers. Here he makes final arrangements for a scheduled demonstration.



Senior Tester Truman Wesco and Assistant Tommy Thompson, behind the Wheelabrator, prepare a 3-wheel rod cleaning machine for Eaton Manufacturing Company's demonstration. The Ohio firm sent us 67 coils of wire rod in order to make a comparison between Wheelabrator descaling and their present acid pickling operation.



Left to right: Tim McLaughlin, Harold Garman, Jim Flood, Chief Metallurgist at Eaton Mfg., and Frank Pedrotty discuss mechanical descaling.

After Wheelabrator blasting, the wire rod undergoes close examination.





Just as Wheelabrator operates with a charter so does Wheelco. Here Controller Jim Donlan is shown presenting the certificate of corporation to John Auman, president of the Junior Achievement Company. Donlan then addressed the group explaining the responsibilities that a corporation must accept to protect stockholders and employees.



Junior Achievement advisors Bob Trueax, George

## "MAKING A PRO

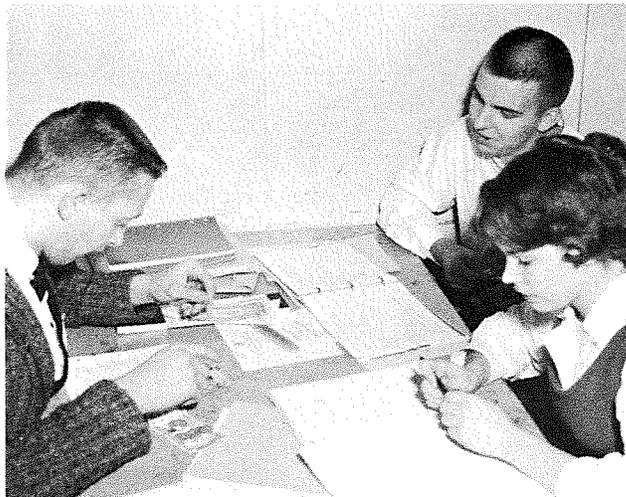
### HERE'S WHEELCO, THE WHEELABRATOR-S

Joe Boland, Joe O'Callaghan, George Mathewson and Bob Trueax work for Wheelabrator, but this year all four have a hand in another business. You see, they are advisors for Wheelco, one of the 29 Junior Achievement Companies which are sponsored by local businesses and industries.

As advisors it is their job to help the 18 students from seven different high schools run a company during the 1960-1961 school year. Once they decided on the product to manufacture and market — a device for shortening extension cords called a "Short'n

As with any business, book-keeping is an essential phase of Wheelco's operation. Here, advisor George Mathewson, assistant business advisor Bernie Nemeth, a sophomore at Notre Dame, and secretary-treasurer Lois Zielinski are going over the financial report. Toward the end of the school year, Wheelco will liquidate and declare a rate of dividend for shareholders.

Wheelco workers have a fast-moving jig and fixtures resulting in unif

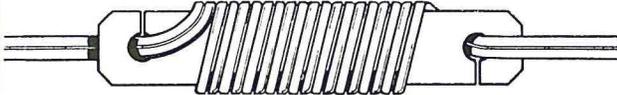




Auman and Joe Boland discuss production problems.

*SAFE CONVENIENT NO UNSIGHTLY CORD*

# SHORT 'N CORD



## Wheelco Products

*A Junior Achievement Company. Sponsored By*  
WHEELABRATOR CORPORATION

The "Short'n cord" is attached to an attractive green and white card for sales appeal and to explain how the product is to be used for shortening electric cords. The product is sold for 25 cents retail and 18 cents wholesale. The ultimate goal of the Junior Achievement Company is to sell 5,000 of the handy rubber devices.

## IT IS NO CINCH"

### SPONSORED JUNIOR ACHIEVEMENT COMPANY

cord" — the youngsters went out and sold 400 shares of stock to finance their venture.

Wheelco's production facilities are located at 216 West Wayne Street in South Bend. This is the headquarters for all Junior Achievement activity in the community. One night each week, the young tycoons meet there to work on the manufacturing of their product and attend to the other details of running the firm.

Hard work? It sure is, but as one advisor put it, "I'm learning a lot from these kids. Believe me, making a profit is no cinch . . . but it's worth every minute of my time."

Production line that is facilitated with manufacture and a minimum of rejects.



Wheelco president John Auman looks on as sales manager John Coleman and vice-president Paul Klaer discuss marketing plans for their product. Purpose of the Junior Achievement program is to familiarize young people with America's free enterprise system. They learn, too, that being a success in business calls for plenty of hard work.

# NEWS AND VIEWS



The Julianna Club has elected new officers for the year 1961. They are, left to right, board members Marie Lehman and Alberta Kaufman, president Willa Mae Parker, secretary-treasurer Robbye Lou Dunn, board member Del Brambert, and vice president Mary Ellen Driver.



Two five-day training schools on equipment sales were held in December for some of the newer members of our selling force and also for field men who were formerly concerned only with abrasive sales. A group is shown here taking one of the daily examinations.



A new warehouse has been erected south of the Shot Plant. The all-steel structure contains 12,000 square feet of storage area and is now being used for stocking abrasives and extra production parts.



Following a sales meeting in New York City, Eastern Region personnel and their wives gathered at a local hotel where they staged a Christmas party. Did you ever see a finer looking group anywhere?



# Passing PARADE

REPORTERS — Milferd Gardner • Blanche Null • Fred Bishop  
Elsie Stefucza • Delores Burtsfield • Gretchen Smith • Max Vena

**Sharon Minzey**, Files and part time switchboard operator, is engaged to Kenneth Coe, Jr. Ken is a Sophomore at Purdue University. They hope to set a date for sometime in August . . . Our sincere sympathy is extended to **Margaret Hadaway** on the loss of her brother. Also to **Paul Myers** for the recent loss of his mother . . . **Beverly Mumby** replaced **Mary Jo Walker** in I.B.M. Beverly is the mother of two teenagers . . . **Olene Adams** of the Abrasive Division is engaged to Bob Taber. She received her ring on Christmas Eve. No date has been set for the wedding . . . Congratulations to **Edna Golba** on the birth of her new grandson. This makes three of them for Edna . . . Let's not forget **Olive Hartung** who is recovering from recent surgery. Cards and little notes of cheer are always appreciated. (G.S.)

**Bill Stickels** of the Inspection Department likes to be different. He wears shoes of different color to work, one brown and one black. Well, anyway, everyone noticed it except Bill . . . **Mary Lou Rethlake**, Methods and Planning, underwent surgery at St. Joseph Hospital. We are happy to know that she is making very satisfactory recovery . . . **Margaret Harrington** journeyed to Atlanta, Georgia, to witness the marriage of her daughter Sally to Scott Allen. (B.N.)

It is evident that the Engineering Department or Production Office has heard of a new product on the market which must have just recently been developed by an, at present, unknown electrode manufacturer. According to the placement of weld symbols on a recent blueprint, rubber can now be welded or vulcanized to metal by electric arc welding. We do not, as yet, have the electrode for this new process . . . **Ted Copp** has completely recovered from the death of his Packard a couple years or so ago. It was a long painful climb from the small cars, but he seems to be quite happy now. He has a Continental Mark III complete with air-conditioning . . . Quoted from the CHAPBOOK, "Now is the time for all men to come to" . . . **Bob George**, former helper on the 1/2-inch shear, has moved to Tucson, Arizona, because of poor health in the family. His address is 2507 North Sycamore, Tucson, Arizona . . . The welders and those who worked closely with **George Morin** before his recent retirement, took a collection for a retirement gift and **Bill Geist**, assistant foreman and a notable artist (at least among this group), drew up a cartoon that you should see to appreciate. When we were gathering to make the presentation, George took off and had to be cornered, lassoed, hogtied and, well anyway, they finally brought

him back. Do you suppose he is camera-shy? George came from the copper mining country around Houghton, Michigan. That must be where he learned to run so fast, perhaps chasing deer. (M.G.)

**Martin Schneider**, after being off sick for several weeks, has now returned to work . . . **Larry Gunn**, who has been off also is doing good now, but as yet, has not been released by his doctor to return to work . . . An almost Christmas present to Mr. and Mrs. **Jack Balentine**, Tammy June. Another present was the return home of Jack from Healthwin. He is back to work again and feeling fine . . . **Morrie Huff** spent Christmas week in Florida, but the fishing was not too good . . . **Warren Stickel** also went South stopping off in Atlanta, Georgia, for a short visit and then on down to Florida. (F.B.)

Heartiest congratulations to **Sue Decker**, our receptionist, who recently received a lovely diamond engagement ring from Max Burnell. Max's home is in Evanston, Illinois, but for the time being, he hails from the Notre Dame campus where he is studying and playing football . . . **Pat Youngs**, Purchasing, married Thomas Mossey on January 7. Best wishes to the happy couple . . . **Helen Waterson** spent her vacationing holidays in Miami, Florida, and came

(Continued on page twelve)



## PREJUDICE! What's That?

Well, son... prejudice is an infection of an attitude that tears away at the hearts and minds of men who want respect for themselves but are not willing to give it to others. They have the idea that because of the color of their skin, religion or national origin... they have more rights than others do. Many people who are prejudiced won't admit it. They say they believe in Brotherhood, but don't act that way in dealing with people. For you I pray... that you will learn about Brotherhood first, so that the infections of prejudice will not be able to claim you. I pray that you may grow up in a world free of petty hatreds, discrimination, bigotry and prejudice. That your world will be one of love and understanding among all people everywhere.



**BROTHERHOOD WEEK**  
FEBRUARY 19-26

Sponsored by The National Conference of Christians and Jews

## Passing Parade

(Continued from page eleven)

back rested and beautifully tanned . . . **Nancy Conley Erwin**, switchboard, left our ranks on January 20 to join the ranks of the "patiently awaiting a blessed event" . . . There is said to be an island republic in the tropics where the people just love gaudy uniforms. The president asked an American firm to design a uniform for the new group of public servants. While the styling was not specified, the president wanted appropriate colors. He suggested a green jacket, light blue trousers, red boots, and a canary yellow cap with an orange visor. "Something conservative," he insisted, "for our Secret Service." (D.B.)

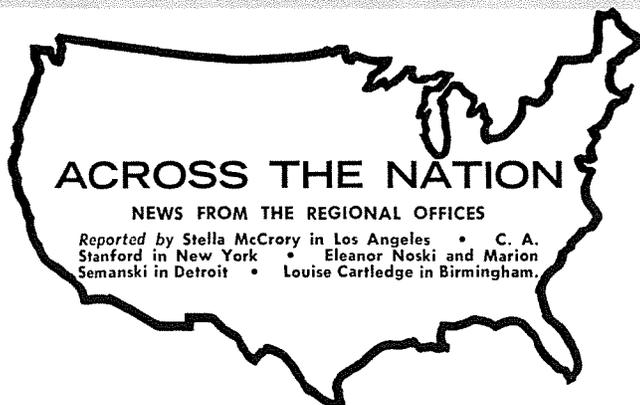
. . .

**Hubert Davidson**, Engineering, just returned from a two week trip to Florida with his family. From appearances, the sun must not have been shining . . . Incidentally, we wonder if **Roy Guite's** tan came from a bottle . . . During the holidays **Dick Mecklenburg** thought the Engineering Department looked very bare without decorations. Catching the spirit from the other departments, he assumed command of "Operation Christmas Tree". He collected the money and made the purchase so that we too had our first tree complete with lights and ornaments . . . **Don Heckman** has purchased his annual Oldsmobile . . .

The Engineering Department had the pleasure of visiting the new home of Mr. and Mrs. **Harold Schulte** at 3618 Lindahl Drive at an open house on Friday evening, December 30 . . . **Jim Daniels** recently launched a satellite and as far as he knows, it's still in orbit. Actually it wasn't a satellite but instead the fan in his new Studebaker. It flew right out through the hood of his car and he never did find it. Studebaker Corp. says they will fix up the car for him . . . We have several new and proud parents in the Engineering Department: Mr. and Mrs. **Tony Nasco**, a girl Charmayne Sue, born November 13, 1960; Mr. and Mrs. **Frank Walker**, a girl Carol Ann, born December 29; and Mr. and Mrs. **Ron Majewski**, a boy Paul Andrew, born December 31. Congratulations to all of you . . . We wish to extend sympathy to **John Farabaugh**, who recently suffered the loss of his father, G. A. Farabaugh. Better known as Judge Farabaugh, he was one of South Bend's most distinctive citizens. We also wish to offer our condolences to **Joe O'Callaghan** whose father passed away in December. He was a resident of Memphis, Tennessee. (E.S.)

. . .

**Ray Hutchins** had a break this Christmas. His daughter and family were transferred so Ray only had to go about 30 miles north of Chicago instead of to Long Island, New York . . . "**Doc**" **Stoddard's** intentions were commendable but again he broke down and made the rounds for Christmas dinners. When the pressure goes on, his resistance just can't take it . . . In all seriousness, the turkeys and hams were greatly appreciated and enjoyed by everyone. (M.G.)



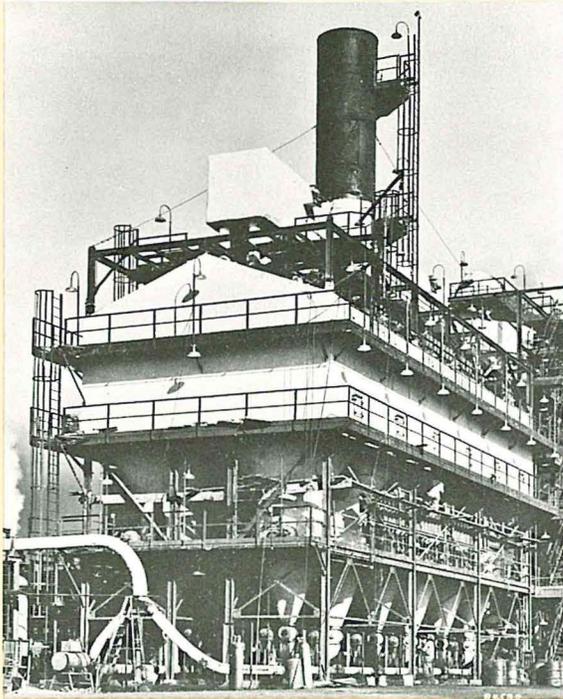
Christmas is over at the Detroit Office and all the men are happy about that. They are still nursing big heads — no, not what you are thinking. It all started with a huge candy cane adorned with red ribbons and tinkling bells, purchased for a very good cause, Leader Dogs for the Blind. We were so proud of contributing to such a worthy cause that we wanted to display the cane so all could see it (and eat the candy inside) so it was hung from the lighting fixture in the middle of the office. Results? The men forgot about it and every time they walked through the office, they would bang themselves on the head. When the bells rang for **Jim Barnes** the third time, he said, "Christmas or no, that thing has got to go!" . . . Thanks to Wheelabrator for turkeys and hams . . . Are you wondering how our professional bowlers are doing? We will not mention their standing, but **Walt Schlegel** really did a good job one evening by rolling a 244. What happened to

the score sheet, Walt? . . . **Semanski** and **Noski** lost five pounds each "changing drawers" in the file cabinets to make room for the new year. They anticipate a really big year and left plenty of room for the orders . . . congratulations to the **Len Nelsons**. They had a new addition to the family — a brand new baby boxer that just loves to sleep under their finest electric blanket . . . Our holiday season was marred because of Mrs. **Andy Joye's** illness and Mrs. **Don Kring's** operation. We wish both good health in 1961. (Detroit)

A very successful three-day Regional Meeting was held in Birmingham on November 30, December 1 and 2 for our field men and agents. We were indeed fortunate to have **Jack Pichard** in attendance. He presented a most informative lecture on Super Tumblasts . . . At home for the Christmas holidays from the University of Cincinnati was **Bill Scherrer's** older son Jim . . . **Ed Clarke's** son Perry is now out of the Marine Corps and has accepted a position with Travelers Insurance Company. At the present, he and his family are living in Houston. (Birmingham)

The Eastern Regional Office had an interesting meeting on December 4 after which a Christmas party was enjoyed at a local hotel. Attending the party were: Mr. and Mrs. **John Burlingame**, Mr. and Mrs. **Wayne Clements**, Mr. and Mrs. **Larry Kohlmeier**, Mr. and Mrs. **Elmer Kremer**, Mr. and Mrs. **Forest McKown**, Mr. and Mrs. **Don Miller**, Mr. and Mrs. **John Phelan**, Mr. and Mrs. **Bob Skord**, Mr. and Mrs. **Al Smith**, Mr. and Mrs. **Jack Ries**, **Fred Uhl**, **Dave Logan** and Mrs. **Richard S. Stanford**. (New York)  
*Ed. note: See picture on page ten.*

# BIG JOB CALLS FOR A BIG COLLECTOR



There's no visible discharge from stacks equipped with Wheelabrator Dustube Collectors at the carbon black plant of Phillips Chemical Company, a subsidiary of Phillips Petroleum Company, located at Borger, Texas.

Virtually 100 percent recovery of extremely fine particles of carbon black is accomplished by the collector filtering the material from the hot gases. Originally installed with orlon Dustubes, the 12 room-size compartments in the collector, shown at the left, are now furnished with 4800 fiber glass tubes which withstand temperatures up to 550° F.

The Wheelabrator Dustube Collector is the only type collector equipment used for handling this difficult carbon black filtering problem — one company has 43 units in operation for various dust and fume control applications.

Through the huge savings made possible by the recovery of carbon black particles, processors are able to pay for the equipment in a short period of time. In addition, the collector helps many firms improve their community relations by maintaining a clean atmosphere in the vicinity of their operations.

## THE RECORD SPEAKS FOR ITSELF

Although the past year's accident record does not make pleasant reading, it should be studied by everyone as it constitutes a strong case for safety glasses, safety shoes, correct methods of lifting, stacking and moving material, and just plain careful habits.

The figures in the chart show only the injuries resulting in lost time. In addition to these, there

were 1699 other accidents requiring the attention of a doctor. The most frequent of these were to the hands with 1016 reported cases. Others include 240 injuries to the eyes, 167 to the arms, 82 leg injuries, 81 head injuries, 61 body injuries and 52 to the feet.

Examine the record . . . and then decide for yourself what you can do about it in 1961.

MONTHLY INJURIES RESULTING IN LOST TIME	LOCATION OF INJURY							NATURE OF INJURY													CAUSE OF ACCIDENT															DAYS LOST ON ACCOUNT OF ACCIDENTS			
	Eye	Head	Arm	Hand	Legs	Feet	Body	Lacerations	Amputations	Abrasions	Contusions	Cuts and Punctures	Fractures	Foreign Body	Eye	Burns	Sprains-Strains	Infections	Ruptures	Slips and Falls	Ladders, Etc.	Work Falling	Defective Tools	Handling Stock	Nails and Slivers	Old Injury	Trucks	Power Equipment	Bench Work	Furn. Heat or Flame	Non-Indus.	Grinding	Cutting and Punching	Hot Metal	Press and Hammer	Lifting	General Shop	Non-Compensable Days Lost	Compensable Days Lost
January	168	31	10	7	100	3	7	10	6	0	43	60	0	25	24	7	3	0	1	8	0	58	7	1	0	12	1	5	0	9	1	17	0	6	42	4	77	81	
February	159	26	7	20	86	9	4	7	8	0	58	45	0	21	18	8	1	0	5	12	0	47	25	0	1	2	2	6	1	5	1	12	8	4	28	4	58	62	
March	160	26	5	13	102	6	4	4	4	0	46	64	1	19	18	3	5	0	5	9	0	43	27	1	0	11	3	14	1	7	1	12	2	2	22	7	62	69	
April	195	24	9	26	116	5	6	9	13	0	51	82	2	23	13	8	3	0	8	11	0	59	41	2	1	9	4	11	1	14	0	5	4	4	21	13	66	79	
May	233	46	8	24	127	8	10	10	18	0	62	79	1	41	19	11	1	1	5	13	1	83	38	0	16	6	14	0	13	1	14	3	5	21	20	48	68		
June	180	42	11	21	79	11	7	9	13	1	41	60	1	36	17	10	1	0	8	6	1	60	24	0	0	10	3	10	2	5	0	14	2	5	30	10	19	29	
July	101	11	10	14	50	8	4	6	0	27	38	0	10	9	6	4	1	4	8	1	28	24	1	0	5	0	10	0	0	0	3	2	4	11	6	0	6		
August	164	33	5	15	83	8	8	12	4	1	46	51	1	25	23	11	1	1	13	9	0	38	21	0	1	17	1	4	0	5	2	17	3	5	28	30	51	81	
September	161	29	7	17	91	11	3	3	7	0	46	55	0	24	18	8	3	0	8	4	0	59	19	0	0	9	0	7	0	9	0	17	3	2	24	11	59	70	
October	135	23	3	16	70	10	5	8	6	0	44	43	0	20	11	9	2	0	0	12	2	44	15	0	6	3	6	0	3	0	8	2	7	27	16	5	21		
November	161	25	9	7	97	7	6	10	5	0	44	62	3	19	12	7	8	1	10	13	0	60	21	1	1	5	2	3	1	8	0	7	2	2	25	13	13	26	
December	128	25	8	11	66	5	2	11	0	40	40	2	12	12	7	3	1	7	10	0	34	22	0	2	5	4	4	0	9	0	5	2	4	20	26	15	41		
<b>TOTAL</b>	<b>1945</b>	<b>341</b>	<b>92</b>	<b>191</b>	<b>1067</b>	<b>91</b>	<b>66</b>	<b>97</b>	<b>101</b>	<b>2</b>	<b>548</b>	<b>679</b>	<b>11</b>	<b>275</b>	<b>194</b>	<b>95</b>	<b>35</b>	<b>5</b>	<b>74</b>	<b>115</b>	<b>56</b>	<b>613</b>	<b>284</b>	<b>6</b>	<b>6</b>	<b>107</b>	<b>29</b>	<b>94</b>	<b>6</b>	<b>87</b>	<b>6</b>	<b>131</b>	<b>33</b>	<b>50</b>	<b>299</b>	<b>160</b>	<b>473</b>	<b>633</b>	

# ACCENT ON PROGRESS

## PART III

### THE GALLANT YEARS

The year is 1926 — midway through the “roaring twenties”. The United States is celebrating its 150th birthday, as Minich’s firm observed its 18th anniversary. Abroad, an American, Gertrude Ederle, becomes the first woman to swim the English Channel. And at home, the court martial trial of General Billy Mitchell makes headlines.

In Mishawaka, Indiana, The American Foundry Equipment Co. moves into its new home . . . a move which is to have far-reaching implications in the light of later developments. For by this ambitious move, all manufacturing and sales activities of the firm are consolidated in one location for the first time. Now management can begin anew its continuing program of developing, growing, pioneering — with greater efficiency and more intensive direction.

With all its creative abilities devoted to product improvement, new developments begin to emerge from the pioneering of American Foundry Equipment Co. Although the Sand Cutter remains the principal product of the firm, creative engineering in the sand blast field has raised the company to prominence in that direction as well.

Important sandblasting developments include the first “humane” sandblast room which took workers out of the atmosphere of the blast.

1927 — a year of “firsts” in many fields. This is the year of the “Teapot Dome” scandal, and the year in which Coolidge “did not choose to run”. It’s also the year in which Lindbergh did choose to fly alone to Paris. Babe Ruth hits 60 home runs for the Yankees to set a new record, and Dempsey loses his title to Gene Tunney in the famous “long count” bout.

In Mishawaka, 1927 is a year of first, too, for the American Foundry Equipment Co. This is the year in which the Tumbblast machine is developed — the endless belt conveyor tumbling principle is applied to sand blasting machines for the first time.

#### A Major Contribution

Developing the endless belt tumbling principle for sand blast machines proved to be a major contribution to more efficient cleaning methods. Depending upon the width of the machine, a number of blasting nozzles were inserted through the door, giving full, even coverage of the cleaning chamber. An elevator mechanism automatically recirculated the abrasive. By reversing the direction of the conveyor, it was possible to unload the machine without manual attention — perhaps a harbinger of the automation to come.

Previous tumbling barrels had a nozzle inserted in either end of the barrel, which rotated to tumble the work. Since most of the blast struck the work closest to the nozzle, and the work at the opposite end was almost missed by the blast, the

cleaning action was usually uneven. "Hot spots" developed where the blast struck the inside of the barrel. The Tumblast corrected these problems, bringing new efficiency to the work of batch-type sand blasting, and greater prosperity of the growing firm.

1929 — all the year's headlines pale into insignificance beside the fearsome event of October 29, the 16-million-share day on Wall Street — the stock market crash. American Foundry Equipment Co., too, is affected. For the black depression which follows erases the market for its products as thoroughly as it erases the paper profits of the stock speculators. Like countless other business firms, American Foundry Equipment Co. is struggling for its very existence, against economic forces that are beyond the control of any one concern.

Searching for a means of combating the depression, American Foundry Equipment Co. devotes every resource of the firm to research and development which might uncover new products or new markets. Exhibiting dauntless courage and faith in the future, Verne Minich turns his every asset into cash, to sustain the faltering business.

Rising to the challenge of the times, Otto Pfaff, now secretary and treasurer of the firm, exerts Herculean efforts to sustain the threatened firm. His duties are enlarged to include purchasing, then advertising. And he still takes a hand in selling, making frequent trips into the field to sell equipment. In recognition of his stature in the firm, he is made vice president and general manager in 1933.

### The Big Gamble

The depression is in its darkest days, but the management of American Foundry Equipment Co. maintains its progressive search for the road back. And once again, the lure of something new points the way. Verne Minich, together with E. A. Rich and Otto Pfaff investigate the possibilities in a new centrifugal blasting wheel, which seems to have application to their established market, the foundry industry.

And here they come upon the basis of a revolutionary possibility — the first entirely new method of blast cleaning to be discovered in 70 years. A rudimentary 8-bladed wheel which hurls abrasive by centrifugal force, instead of by the force of air. Cumbersome, unwieldy, uncontrolled as it is, the centrifugal blasting wheel appeals to the trio for its departure from the conventional methods of the day, and for the possibilities it seemed to afford.

But it must be refined and its power accurately controlled. Through the depression years of 1931 and 1932, every resource of the American Foundry Equipment Co. is devoted to perfecting a method of blast cleaning by means of the centrifugal blasting wheel.

A perplexing difficulty with the original airless blasting wheel was its lack of directional control. The abrasive funneled into the hub of the wheel, then dropped by gravity into the compartments formed by the blades, which hurled about and discharged the shot at about 180 degrees from the point where it entered the compartment, usually straight up.

However, in spite of its unsolved problems, the airless blast principle seemed sound, and American Foundry Equipment Company persisted in its pioneering experiments to harness the power of the wheel to blast cleaning.

It is now 1933, "FDR" is in the White House, and the nation is told it has "nothing to fear but fear itself". In Europe, a wild-eyed fanatic named Adolf Hitler becomes Chancellor of Germany — but the world is not too much concerned. The Century of Progress opens in Chicago, but the banks close for their enforced "holiday". Certainly not an auspicious year to undertake a new business venture involving heavy investment.

But success has at last rewarded the efforts of the struggling firm. Through the inventive genius of its engineers, the power of the centrifugal blasting wheel is controlled, and efficient airless blast cleaning is possible for the first time. The Wheelabrator is born — combining the force of the centrifugal blasting wheel with the endless belt conveyor tumbling mechanism to create the first successful Wheelabrator Tumblast.

Important, too, was the element of power savings. The controlled blasting wheel could clean a given amount of work in one-fifth the time, with only a sixth of the power required using compressed air. With such savings of time and power, American Foundry Equipment Co. is confident it has something new and better to offer industry . . . a saving that would be welcome wherever costs were carefully measured. A new product has been developed — another outgrowth of pioneering and vision.

*Part IV of Accent on Progress, "Great Oaks from Little Acorns" will appear in the next issue.*

# WHAT'S NEW

# WHO'S WHO



MILLER



CAMPBELL



LAMB

Announcement has been made of the formation of Wheelabrator Corporation of Canada, Limited. The new organization, which was formerly operated as a Division of Wheelabrator Corporation, is now headed by Harold Miller who has been named president. Other appointments include the naming of Bob Campbell as vice president and general manager and chief executive officer and Doug Lamb as general sales manager . . . Dust & Fume sales engineer Len Nelson and project engineer Dave Hysinger are to be congratulated for wrapping up a big one. The order is for a giant dust control system to be installed at Ford Motor Company's Cleveland Foundry. A total of 650,000 cubic feet of air will be handled per minute in the collector, which is to have an area of nearly five acres of dust-collecting bags. The Dustube Collector will be nearly 300 feet long, 30 feet wide and 30 feet high and will include 14 different exhaust fans powered by 14 motors totalling 1,450 horsepower. It is believed that this is the largest dust control system to ever be installed in a foundry . . . **George Burditt**, manager of steel mill sales, has moved his office from Mishawaka to Pittsburgh where he will direct the activity of a special sales force for selling and servicing steel mill and processor accounts. Working with George in this capacity are **Tim McLaughlin**, **Clarence Andrews**, **Jim Hitt** and **Bill Frank** . . . Wheelabrator Corporation was one of approximately 350 exhibitors at the 1961 National Plant Maintenance and Engineering Show, held January 23-26 at the International Amphitheatre, Chicago. The theme of our exhibit was "Ideas to Cut Plant Maintenance Costs" . . . **Charlie Benham**, whose years with the Company date back to 1910, has been named our manufacturer's representative in the Florida area. Although Charlie formally retired in 1957, he has remained active since then as a trouble shooter and counselor to our field force. In his new capacity he is handling both Lord Chemical and Wheelabrator sales from his year-around home in Sarasota, Florida.

**ANNIVERSARIES:** Three more Wheelabrator employees have now joined the ranks of our quarter-century veterans. They are:

- Verne Spears**.....Regional Sales Engineer
- James Powell**.....Shot Plant
- John Williams**.....Foundry

Twenty-year employees at Wheelabrator have bolstered their strength with the addition of twelve new members:

- Justice Coffman**.....Steel Shop
- George Scott**.....Steel Shop
- Albert Stickel**.....Steel Shop
- John Pawlowski**.....Steel Shop
- Robert Reihl**.....Steel Shop
- Belle Colwell**.....Maid Service
- Jepthah Minnes**.....Steel Shop
- Chauncey Proudfit**.....Steel Shop
- Emile DeVreese**.....Demonstration Dept.
- Milferd Gardner**.....Steel Shop
- Richard Huston**.....Machine Shop
- Robert Newsom**.....Machine Shop



**RETIRED:** George Morin, welding foreman in the Steel Shop, retired on December 30. He had been an employee here since May, 1934. George is shown here trying out a new chair which was one of several retirement gifts.

**NEW MEN:** John Riedy has joined the Company as a field engineer and will be assigned a permanent territory upon completion of some special projects at the Mishawaka Office.

Bill Frank is also another recent addition to our selling force. Bill, previously with the Chicago Telephone Supply Corp., is now working in Pittsburgh's Steel Mill Sales Group.