

SEPTEMBER

1961

# **BARTELT SCOPE**



A monthly publication of Bartelt Engineering Company, Inc.  
Sales Promotion Department  
C. Stewart Worthington, Manager

**BARTELT ENGINEERING COMPANY, Inc.**





## MANAGEMENT byline

Our baseball team has won the championship again and deserves a big hand! Congratulations to each and every one of you who have worked to make this year a success.

With the end of August, we close our second quarter of 1961. I don't need to point out that with our terrific load of developmental projects, it has been a trying six months.

Some of you have been unfairly burdened with heavy responsibilities. Some of you have had to work long hours week after week. Others have spent weeks on experimental field problems, giving up weekends and being away from family and friends.

I know I speak for everyone when I give you our special thanks and say that when it's our turn to put in an extra push we'll try to even the score.

And ... that time is coming soon. The last quarter of this year should be one of the busiest in our history.

If we can read the crystal ball further, the year 1962 should be a year of growth and expansion. This is the way we like it and we hope we're properly set for it.

Our business area has become terrifically competitive, bringing new conditions and new problems. This is creating great opportunities for us as individuals and as a company. Let's make it our aim to recognize these opportunities, study them, and take action!

-- Bill Boston

Ed Hume, Manufacturing Division assistant director, discusses Bartelt Packager in Check-out with Engineer Denny Conwell.

## Ed Hume Assumes Major Production Responsibilities

Edwin F. Hume has been promoted to the position of assistant director of our Manufacturing Division. He is now in charge of all production machining, assembling, inspection and check-out.



Announcing the promotion, Manufacturing Director John Corcoran said, "Ed's advancement puts to good use his long experience in both engineering and manufacturing. His service in most of our major plant departments well qualifies him for this increased responsibility."

After joining Bartelt more than six years ago, Ed first was assigned as a liaison engineer under Al Canfield, moving two years later to Sales to write machine estimates and conversion quotations.

In 1958 and 1959 he was product engineering supervisor and later product manager. He has been assistant plant manager for the past year.

Ed is one of three managers who now report to Division Director John Corcoran, along with Robert E. Peterson, purchasing agent, and Lawrence D. Carlson, production control manager.

Ed holds a bachelor of science degree in industrial education and a bachelor's degree in education from Stout Institute, Menomonie, Wis., and State Teachers College, Eau Claire, Wis. He did post graduate study at the University of Minnesota.

Serving in the Navy during World War II, he received engineering training at Ohio State University and saw action in the Pacific.

Ed and his wife, Helen, live at 1015 Parkside Drive, Rockford. He has a son and a daughter and three grandchildren.

### What? Bartelt Picnic When? Sept. 9th Who? You!

Final plans are being drawn up for a full day of fun at the 1961 Bartelt Family Playday/Picnic Saturday, Sept. 9th.

The place: Svithiod Park—pictured on the front and back covers of this month's BARTELT SCOPE — located down a gravel road off South Main Road just north of the Airport cutoff.

Come early and stay late and get in on all the food and prizes. Games start at 10 A. M. For the kids there will be a penny scramble, three-legged race, shoe scramble, and many more exciting activities. Among the adults' games will be an egg toss (real messy!), tug-o-war, and golf pitching.

In the afternoon it's baseball: Bartelt vs. Mechanics Universal.

Let's see you all there!

## Some Retire On Your Taxes

We know that a start has been made on caring for our old age when, under the cryptic initials "FICA" — Federal Insurance Contributions Act — an amount is deducted from our paychecks.

What we may not realize though, is that, as wage and salary earners, we are the employer of state and local government workers and are paying, through state and local taxes, for the retirement benefits of hundreds of thousands of these workers.

In the last nine years, according to figures of the Tax Foundation, Inc., retirement payments to these public employees and withdrawals of retirement contributions by workers leaving government service before retirement age, more than doubled—from \$530 million to \$1.3 billion.

Of the \$3.4 billion received by all state and local government retirement systems in fiscal 1960, half, or \$1.7 billion, represented contributions by the employing governments, while only \$1.1 billion, a little over a third, was from contributions by the government employees themselves. The rest of the funds—\$601 million, or 18 per cent—came from interest earned on the funds invested.

## Greetings



to our new employees:

John Walker, Machine Shop Night  
Annetta Wells, Personnel Assistant

## MOTORISTS' FAMOUS LAST WORDS

"It's all right, she's not in gear."

## Think When It Blinks

When you see a blinking traffic signal from now on, it probably means you are approaching a school crossing.

These special lights take on an increased importance this month with the start of school. They have the same meaning as a stop sign whenever they are blinking. They require you to stop your car so children can cross safely on their way to and from school.

Remember: some of the children will be going to school for the first time in their lives.

When you see a child push the button, push your brake.



## Old Hands

Congratulations to those whose anniversaries occurred during August:



Gordy Carlson, 11 years  
Bill Court, 11 years  
Sam Latino, 6 years  
Ralph Cotta, 5 years  
Bill Atkinson, 3 years  
Dick Brattland, 3 years  
Clarence Thompson, 2 years  
Charles Davis, 1 year  
Andrew Frisella, 1 year  
Stu Klinger, 1 year  
Julia Kubilus, 1 year  
Gene McQuality, 1 year  
Herman Morrison, 1 year  
Ron Oliphant, 1 year  
Herchel Roberts, 1 year  
Bill Schissel, 1 year

## "Dr." Dixon Keeps First Aid Cabinet Ready for Action

We have been proud of our plant safety record. We have not had a mishap at Bartelt involving serious personal injury for many months.

But, when you have almost 200 men and women, as we do, working with everything from a 2½ ton turret lathe to a lead pencil, there are bound to be accidents once in a while.

However small, they hurt.

This is where "Dr." John Dixon plays an important role in addition to his full time job as a vertical mill operator.

John has been our shop first aid man for about two years. He keeps a well stocked first aid kit, located on the wall just outside the south tool crib counter.

The eyes have it, says Dr. John. He checks Bartelt employees' peepers more often than any other part of their anatomy, looking for foreign



A careful dab with cotton by "Dr." John Dixon removes "something in the eye" of Don Turley.

particles that find their way into the eyes for any number of reasons.

Among other common "hurts" John is called upon to treat are scrapes, bumps and cuts of the hands and arms. Occasionally, moments of carelessness cause more painful incidents, such as dropping a heavy fixture on a foot. These also come to John's willing attention.

In addition to taking care of minor injuries, John sees to it that our employees can fight off anything from headache to nausea when the need arises by maintaining a good "pill and powder" supply.

If for any reason an employee is taken to a doctor or to a hospital because of injury or illness on the job — or while participating in a company sponsored sports event—he fills out a report giving full details. This is used as an official record in the event of medical bills and insurance claims and serves as part of our compliance with state unemployment compensation laws.

John's army first aid training really comes in handy. "They come to me for everything," says John of his patients. "I'm their 'nurse'. Some of them don't like it very much either."

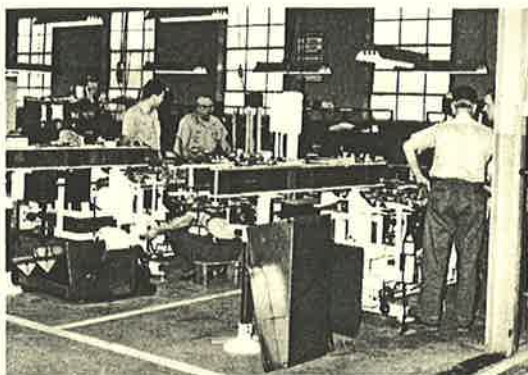


John's first aid cabinet is handy to all employees.





Left: Jerry Thompson checks shipment of Cartoner drier belts. Below: Where they eventually go — Cartoner Assembly area.



## The Whole Story of Parts In the Shipping and Receiving Department

The name "Shipping and Receiving" actually leaves a lot unsaid about the task of the Shipping and Receiving Department at Bartelt.

The eight men who run this department are among the busiest in our plant. Not only do they handle all shipping and mailing of machine parts and other packages too large to drop through a letter slot, they are responsible also for channeling all parts, through various phases of completion, to the Assembly Floor.

Parts are ordered to build a new packaging machine, or in answer to a customer's request for replacements, or for stock. In each case, there are many possible sources for these components and several different operations that might have to be performed in order to complete them.

This is due to the great number of parts that go to make up a Bartelt Automatic Packaging Machine.

An order for a part first comes to the Shipping Department from Production Control. If it is not a stocked part, a request is filed for machining,

casting, or, in some cases, for purchase of the component. After it is fabricated, it is routed here and there for any of such operations as heat treating, plating, painting, dull-brushing, Parkerizing, and inspection. Throughout, the Shipping and Receiving Department is in direct supervision of the routing of the parts.

In some instances, parts are sent to Sub-Assembly for assembling the more complex components, such as electrical drive systems, cutoff mechanisms, bag clamps, feed rolls, and sealers. They then are inspected carefully and returned to Shipping.



Shipping and Receiving Department Supervisor Larry Carlson (seated) and Expeditor Ed Champagne go over parts schedule.



Dick Peters (left) and Vaughn Downs "kit" parts.

Once a set of parts for a piece of equipment is completed, they are "kitted." This is the process for collecting all the parts for a machine into tote pans, which are grouped in four-shelf carts. When the machine is to be assembled, the entire kit is wheeled out to the proper assembly area, and a new machine then begins to take shape.

For various reasons, new parts often are completed after the assembly operation has begun. All are number coded to assure their proper routing to the Assembly Floor.

Similar procedures are necessary for service parts, specially ordered by a customer, with the exception that they are immediately shipped out, instead of being sent to Assembly. Stock parts, too, are machined or cast, inspected and given the proper protective finishes, then placed in bins for future use.

Shipping Department Lead Man Dick Peters notes that it never gets dull around his working area. Parts are constantly being delivered to his crew. Each part must be dispatched with a minimum of delay, because somebody somewhere needs it — now.



Truck Driver Frank Haight prepares for one of his frequent errands for Shipping Department.



Jean Langholf processes many parts each day in Production Control office. Below: Night Shipping Clerk Vern Roberts mails packages of machine parts to customer.





LUCIEN HORTON is not the type of flower enthusiast who is satisfied merely with the kinds of plants you can order in the seed catalogue.

Inside and nearly surrounding "Luke's" North Park home, which he built himself, are flowers and plants of many varieties, some of them like no others in the world. The latter he

## Luke Grows Flowers of His Own Making

has bred into unique forms by combining seeds of different kinds and by tying dissimilar roots together and planting them.

Luke's interest in experimenting with plants grew out of watching the Japanese while stationed in the Army in Japan as they grew plants under carefully controlled conditions.

Explaining his "production" of one plant, growing in his front yard, Luke said, "I took four seeds from a butterfly plant and two petunian rose seeds and split each one. Then I wrapped one piece with another with fine paper."

The result is over a foot high and blooming. "I'm satisfied with it," said Luke, "but I can't understand why the leaves look so much like the real petunian rose leaves and the flower is so different." It's multicolored, look-



Luke displays his cross-bred petunian rose and butterfly plant at his home.

ing not exactly like a rose, and not like a butterfly either.

In a large flower bed in his side yard, Luke has crossed a zinnia with another type of aster plant.

Combining the seeds in the same way, Luke soaked them in a dish of water for 10 days, during which a plant grew two inches leaning out of the water against the side of the little dish. After "transplanting" it into a jar of water, two other plants mysteriously started growing in the water. All three are now planted in the ground.

"I don't know what I'm going to get," Luke admitted. "This is the first time I've tried this. I'm afraid to say."



At left, Luke examines a spring lily and a hen and chickens plant cross-bred with a Joseph coat. Above, his flower bed decorates his lawn.

## They Said It Couldn't Be Done

Ever try to sock a medicine ball with a 9 iron? Not easy, is it? Lowell Davis of our R&D Lab tells us of just as improbable a feat. But tall though the photo at right may be, Lowell claims this is not just a tall story. He believes it . . . and that's all that matters.

By Lowell Davis

We were fishing a narrow waterway between Madaline and Carol Lakes near Woodruff and Minocqua, Wisconsin. The narrows is ideal bass water with lily pads lining both shores. It had rained that morning so we didn't get out onto the lake until about 10 A. M.

After fishing pan fish for about an hour my son, Bill, decided he would like to return to camp and go for a swim, so I took him back to Clear Lake where we were camping and I returned to the bass waters to do a little serious fishing.

After trying various flies I finally got a strike and landed a 12 inch bass. I was using a spinner and a homemade wet fly which has Plymouth Rock feathers for streamers with a red hackle.

Visibility in the water was good and on one of my casts I saw a muskie slowly follow the fly and take it. He made a long run away from me and all I could do was to set the hook, keep a tight line and give him plenty of it, as it would have been impossible to stop him without breaking the leader. Next, he made a run to my left and broke water. Then down to the bottom he went and seemed to lie there.

After what seemed a long time I was able to slowly work him up to



Lowell and son, Bill, pose with oversize muskie catch and dinky fly rod.

the boat, where I hit him on the head with a gaff hook. He made another run and I worked him back to the boat and hit him again. I was afraid to gaff him because if he wiggled off the gaff hook my 8 pound test leader would surely break.

By the third time I got the muskie up to the boat he was pretty well played out so I was able to net him.

The fish weighed 9 pounds and measured 32 $\frac{3}{4}$  inches long. This is just about legal size for a muskie, but, nevertheless, it was a real thrill to catch one on a fly rod.

## Error Bobs Up

Nobody recognized Bob Sweeney among last month's BARTELT SCOPE "Shots at Random." And it's no wonder—cuz it was really Bob Olson in the picture working temporarily in the Carpentry Shop. Our apologies to both Bobs.





Jerry Thompson rounds the bases for home run in our game against Woodward Governor. Outstretched hand is that of Jerry's brother, Tommy (partially hidden).



Wives turn out to cheer the team.



Al Canfield heads for home base.

## Bartelt Eight-Game Win Streak Broken

Our Bartelt Softballers were thwarted in their efforts to continue their eight-game winning streak in their encounter Aug. 16th with an aggressive Sundstrand nine, who, at this writing, are breathing down our necks running a half game out of first place in the League.

Bartelt men fought hard to stage a rally, but a series of long fly balls, easily nabbed in the outfield, put us further behind.

Previously we had beat Woodward 6-4, Gunite 3-2, Ingersoll 6-4, and Atwood 2-0. In the first position playoff, we edged Bell Telephone out 5-4.



First Baseman Red Langston and Woodward runner in abrupt meeting.

The Thompson brothers and Red Langston led in our hitting column with 9 hits apiece in the last six games, Jerry contributing 8 runs, Tommy 3, and Red 5. Denny Conwell got on base on hits eight times, scoring four points. Rog Milligan rolled up a 7 hit, 3 run record. Our vociferous catcher, Carl Anderson, and Pitcher Bill Schultz each had 6 hits.

Other hitters in the six games have been Bob Justice, 2 hits, and Al Canfield, 1. One run was scored by Frank Gibson.

With only one scheduled game to go — with the Fire Department — we have hopes still for another first place trophy this year.

## Bartelt Visitors Include Representatives Of Union Carbide and TCF of Canada

A number of distinguished visitors were our guests in recent weeks to discuss packaging projects and inspect Bartelt machinery in production.

Among those who visited the plant were Mr. Clyde N. Kracht, Mr. George C. Stabenow, and Mr. Charles W. Kehrt of Union Carbide Development Company, Chicago. Representing TCF of Canada, Ltd., Montreal, during a tour of our plant were Mr. Robert D. Rochett and Mr. Norman A. Bates.



Stu Worthington discusses packaging equipment applications with Robert Rochett (left) and Norman Bates of TFC of Canada, Ltd.



Gene Peterson and Stu Worthington at left confer with Union Carbide representatives (from left) Clyde Kracht, Charles Kehrt, George Stabenow.

## Package of the Month

The number of dietary foods packaged in flexible pouches on Bartelt Automatic Packaging Machinery is growing. Providing 225 calories per pouch, General Mills' new "Subtract" is packaged in foil packets, four of which provide a 900-calorie day's minimum nutrient supply for adults.

Subtract comes in two flavors —chocolate and vanilla—and its meal-size packages make it handy to carry in the pocket or purse to be used without the need for measuring the correct amounts.

The General Mills Subtract package is an example of the adaptability of Bartelt Packaging Equipment to meet the needs of the modern food processing industry.



General Mills' "Subtract" dietary food