

Township of Nassagaweya TENDER CEMENT BLOCK GARAGE

Sealed tenders, properly marked, and addressed to Mr. L. W. McMillan, township clerk, R.R. No. 1, Campbellville, Ont., will be received up to twelve o'clock noon

Monday, June 7, 1954

for the construction of a cement block garage, 66'x43', at Brookville, Ont.

Plan, Specifications and tender form may be obtained from the Township Clerk at the Township Office, Brookville, or from the County Engineer, Milton, Ont.

Plan and Specifications will not be mailed to Bidders. The lowest or any tender, not necessarily accepted.

ARCHIE SERVICE,
Reeve,
R.R. No. 3, Milton, Ont.

Acton Public School KINDERGARTEN ENROLMENT

The public school will be able to accommodate all pupils of Kindergarten age this year. To enrol they must be five years old by December 31, 1954. To avoid confusion please complete the form below before May 31st and send or mail it to GARNET W. MCKENZIE, Principal, Box 302, Acton.

Child's Name
 Christian Names Surname

Date of Birth
 Day Month Year
 (School records in Ontario now require proof of age)

Parent or Guardian

Address
 Number Street

Phone

Signature

FOR FURTHER INFORMATION PHONE 73

Want Ad Page: Where Old Friends Meet

Brick Works Thrives as One Of Oldest Halton Industries

Solid and vigorous, Milton Brick Co. Ltd., one of Halton County's oldest industries, today thrives in an area which is seeing new industries sprout up right and left.

Over 85 years old, this veteran of Halton's growth looks back on times of great economic expansion, industrial change and steadily increasing production. Since the days of one of its earliest owners, Dr. D. Robertson (who was the grandfather of the famous Moose River mine disaster Dr. Robertson), Milton Brick has revamped its dusty complexion many times.

Today, with over 225 acres of property and nearly 100 men producing bricks at the rate of 27 million annually, the sprawling plant seethes with activity under a billowing canopy of smoke and shale dust.

These are the shale pits: power shovels clawing great patches of red-and-grey shale... rumbling trucks puffing out dust from under their rolling tires on the way to storage or grinding houses... more trucks, loaded with the raw material, the bulky shale... roaring grinders, vibrating and noisy as this bulky shale slides and is drawn under crushers and along belts...

The Simmering Journey
 This is a brick factory: whirling mixers picking up the powdered shale... controlled additives join in the mixing... the squirming material squeezed and pressured into a rectangular shape, endless until... the wire cutters swing through their motion to lop the moving material into neat, even bricks... that are taken by many hands and piled onto cars 900 to each heat-resistant car.

This is a brick factory, where these cars are automatically directed into three tunnel kilns, each nearly 300 feet long. Here is the final and most integral operation in the making of bricks.

In each tunnel are three zones: drying, burning and cooling. Fired by oil, the drying and cooling zones are heated by forced hot air, but not nearly as hot as in the burning zone where the shale brick is moved through a temperature of 2050 degrees.

The automatic cars enter the tunnels at the rate of three every hour. It takes 50 hours for the bricks to complete their simmering journey. They're cooled—to a mere 130 degrees—and are ready to go.

Story Behind the Story
 Only 60 hours are needed for any one brick to undergo the complete process, from the time it's a lump of



FACTORY MANAGER Dave Green is shown here just inside the cooling zone doors of one of Milton Brick's three kilns. Manager Green designed the factory's newest burning tunnel, a 300-ft. unit. Temperature at this point is comparatively mild between 100 and 150 degrees.

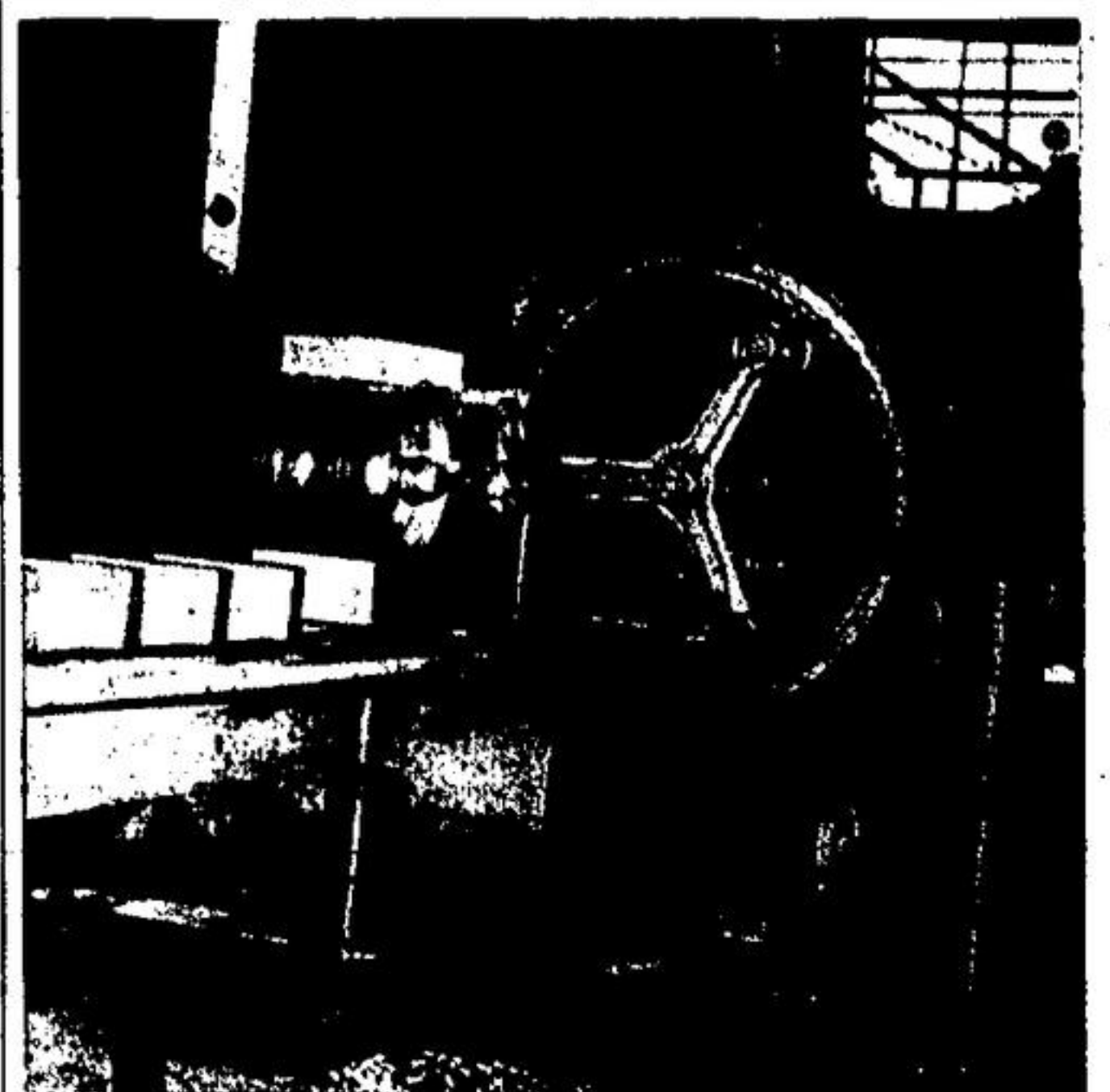
broken down limestone in the pits, until it's finished and on one of the company's 15 delivery trucks bound for a builder.

What is the story behind this story?

Plant manager Dave Green, an amiable fellow to talk to and the energetic supervisor for seven years at Milton Brick, believes there's few examples of articles in everyday use which can trace to an origin and

history as fascinating as ceramics. Ceramics—the family name of pottery and the parent of brick making.

According to Dave Green earliest records of pottery in any shape or form came from archaeological excavations in Egypt where specimens tracing to 3500 BC were unearthed. This pottery was made from surface clay, moulded by hand and dried in the sun.



AUTOMATIC CUTTER is in operation here. Wires slice the solid column of damp, soft brick as it moves along the belt into ordinary brick size. Each rotation of the cutter slices out 18 bricks. Since the movement is continuous, the bricks, at left, are moving along in a steady line.

The Chinese, Greeks, Romans and near Eastern peoples added, through the centuries which followed, embellishments and improvements in method and product. However, the first examples of bricks for building purposes were discovered about 1500 BC in what is now Italy. In Italy also the art of burning as it is known today was first attempted about 1200 AD.

Advance in Method
 Coming closer to our century, in 1600 AD, the periodic kiln or "beehive" was introduced. These, where still in use, have not materially altered from that time.

The bricks were originally made by hand, but with the advance of mechanical trends a hand press was invented by which the mixed shale was placed in a mould and pressure brought to bear.

This machine was capable of making only one brick at a time, and

was soon superseded by the steam press which turned out four bricks in each motion.

To burn the brick in a periodic type of kiln required over a week for the operation which now takes little over two days.

Under old system the previously pre-dried brick was loaded into the beehive or rectangular kilns (Milton Brick discarded the last of its rectangular kilns a year ago). Temperature was maintained throughout the burning which lasted five days. Then three more days were needed for the brick to cool after the fire was left out.

The Extrusion Process
 Burning in tunnels is the modern process, and as described earlier, is the method used at Milton Brick today. The extrusion process, developed in Switzerland, is the name given to the operation before burning.

By extrusion the mixed "pugged" clay or shale is moulded onto an endless belt which passes under an automatic wire cutter. The cutter lops out 18 bricks in one motion, each motion immediately following the previous one, to produce a continuous line of bricks. At 18 strokes a minute, the machine will push along 11,880 bricks per hour.

Watching six men at work piling cooled bricks on delivery trucks, Dave Green remarked that 5000 bricks leave with every truck.

In a factory that goes night and day to supply such faraway points as Fort William, Ottawa and Hearst, Dave Green and his men will produce plenty of bricks this year to supply one-fifteenth of all the bricks that will be used across Canada.



STEPS OF SHALE, man made, are shown in this wide view of Milton Brick's pits. The shale, degenerated limestone, is gouged out by power shovels and loaded into trucks bound for the plant where it is crushed, powdered, processed, formed, cut into brick size and then burned. Three shovels, all at different levels, are shown in operation in this photograph.

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Emotions Mature Don't Hide Them

If you have deep emotions, don't try to hide them. It is not true that being reserved is mature and letting go is childish, according to the Reader's Digest.

Emotional response is not the opposite of maturity. It is the opposite of cynicism and apathy. Furthermore, it is a rich store of vitality. The basic human responses—love, anger, laughter, even fear—hold enormous reservoirs of power which most of us leave untapped.

Many regard strong feelings as a sign that something is wrong. Yet the truth is that it may be more dangerous to be unemotional, says the Digest. Statistics show that depressive, critical people, lacking in cordiality and demonstrations of affection are most often the cause of divorce.

The emotions which make us ill are not the "big breath-taking drives," according to the article, but the enraging nigardly feelings of envy, worry, jealousy. Great emotions push out mean ones: in the midst of great joy, deep sorrow, righteous anger or heart-stopping fear we forget our petty grievances.

"The language of emotions is truly a skill" the article observes. "Too many of us are suspicious of the language of feeling. Yet frankness attracts frankness; honest speaking almost always clears the air and brings out unspoken thoughts."

The significant moments of our lives," the Digest concludes, "are those in which we act the way we feel."

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