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INTERNATIONAL EDITION

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## Quality equipment and services

## Canada caters to all tastes



Kayoko Kato steam cooks salmon steaks on the Flashteamer, a dry steamer that reheats, toasts, cooks and defrosts a variety of foods in minutes. This is a Bardeau Limited product. See company story on page 4.

## Offshore show in Norway features Canadian products, facilities

Twelve Canadian companies will display their shipping and marine products at Offshore North Sea, the offshore exhibition being held in Stavanger, Norway, September 3-6, 1974.

B.C. Research, of Vancouver, British Columbia, is a non-profit organization providing (under contract) research, development, laboratory and field services to industries in Canada and other countries. The company's Ocean Engineering Centre is especially interested in work in rough weather conditions, underwater environment and evaluation of ferro-concrete properties.

Bennett Pollution Controls Ltd.,

North Vancouver, British Columbia, specializes in preventing and controlling pollution. Its prevention program includes a consulting service, storage design, deployment techniques and emergency planning. Bennett containment booms, custom-designed skimmers and other oil-removal equipment are used in the control of major oil spills.

Bow Valley Industries Ltd., Calgary, Alberta, offers platform drilling services through a British registered company. It also provides integrated services to customers in the North Sea area through Sea Oil International Ltd. Bow Valley drilling divisions operate some 35 rigs

with capacities up to 20,000 feet (6,096m). One division is currently working on an island platform in the Beaufort Sea.

Canadian Marconi Company Avionics Division, of Montreal, Quebec, offers aids to position measurement, navigation and communication. For example, its CMA-722 satellite position/navigation system makes accurate all-weather, world-wide position fixes without using maps or charts.

Davie Shipbuilding Limited of Levis, Quebec, is Canada's largest shipyard. In the 90 years since its founding, the company has built nearly 700 mercantile and naval vessels, passenger ships, automobile and train ferries, 80,000-ton tankers, diesel and diesel-electric icebreakers, drill rig platforms, destroyer escorts and many other ships.

Halifax Shipyards Division of Hawker-Siddeley Canada Ltd. constructs large semi-submersible exploration rigs and other types of vessels. This Halifax, Nova Scotia, company is fast becoming a world leader in the building of offshore vessels: four of the world's largest semi-submersible exploration rigs have already been completed.

John T. Hepburn Limited of Toronto, Ontario, designs and manufactures marine equipment for naval, fishing and other vessels and also makes products for offshore drilling rigs. Its cranes, winches, windlasses and ancillary equipment can be used under all sea and climate conditions.

International Hydrodynamics Company Ltd. of North Vancouver,

Any restaurant, hotel, motel or institution that wants to operate efficiently and economically can do so with a variety of equipment and services provided by Canadian companies.

Whatever the customer needs, be it lighting equipment, catering and allied equipment, or sanitation and maintenance equipment, he can get it from Canada — and with the assurance that it is high quality, reliable and competitively priced.

In this edition of Canada Courier are articles on several Canadian companies whose products include high-speed meat grills, convection ovens, beverage dispensing systems, air-hygiene systems, steam kettles and carpet cleaning equipment.

The population explosion, higher standards of living and the availability of more money for travel have added up to a boom in the construction of hotels, motels, restaurants, institutions, and transportation terminals.

This in turn has led to a boom in the manufacture of food service and related equipment that is designed to feed more people faster and better while at the same time keeping the caterer's operating costs at a minimum.

Today, in the catering and allied industries, the emphasis is on speed, reliability, minimum maintenance, economy and ease of cleaning. Canadian-made products meet or surpass these criteria and are found in food service centres throughout the world.

For instance, there are Canadian-made high-speed meat grills that simultaneously cook meat on both sides while retaining the natural juices and reducing shrinkage by as much as 50 per cent.

Also available from Canada are: automatic cooking equipment that features the fastest heating elements available, including infrared and thermostatic controls; or refrigeration units that can be easily converted to heated or refrigerated cabinets to meet fluctuating seasonal needs.

Then there are glasswashers that can clean thousands of glasses in a matter of minutes and even beverage dispensing units that can dispense three different types of wine at two consistent temperatures.

It is little wonder, then, that Canada's food and beverage prep-

aration industry — composed of about 100 companies — has annual sales in excess of \$125,000,000. What is more, shipments are growing at an annual rate of 15 per cent — a sure sign of customer satisfaction.

Just as the emphasis in the food and beverage equipment industry is on speed, quality and economy, so too is it with cleaning, sanitation and maintenance equipment. Here Canadian companies have developed such rapid and thoroughly modern methods and equipment that the industry now garners approximately \$200,000,000 a year.

The requirements of the industry's markets have experienced marked changes from the days when soap and water were used to clean carpets or a coat of wax to clean and polish floors. Now sanitizing and maintenance systems rely on programs and products that give high performance in environmental control.

Such products supplied by Canadian manufacturers include air sanitizing and around-the-clock air guard control systems, laundry and dry cleaning detergents, deodorants, disinfectants, rust removers, toilet bowl cleaners, degreasing compounds, and steam cleaning equipment that easily and economically removes deep-down dirt from carpets and fine upholstery fabrics.

The majority of Canadian companies involved in this industry are already heavily export oriented, while others — with products and services of equally high quality — are in an ideal position to enter the

(Continued on page 4)



Davie Shipbuilding's icebreaker, J. E. Bernier, at Quebec City.

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Unique jewelry designs. Page 8

ver, British Columbia, is a world leader in the development and manufacture of submersibles. It is well-known for its Aquarius, Aries and Pisces submersibles.

Lockheed Petroleum Services Limited of New Westminster, British Columbia, offers a total subsea well completion and production system. It also designs and manufactures capsules for underwater exploration and development.

Lunenburg Foundry & Engineering Limited of Lunenburg, Nova Scotia, builds and re-fits all types of vessels.

Nova Scotia Research Foundation of Dartmouth, Nova Scotia,

has applied research facilities. It offers specialized contract services, including high resolution profiling of the sea bottom.

Pederson Industries Limited, Ottawa, Ontario, is engaged in the research, development, production and marketing of industrial products for ocean science applications. Among its more renowned products is the Pelcon Connector used in underwater television, voice communication and monitoring of sonar systems. The Pelcon Connector is designed to function at maximum efficiency in underwater and salt-spray environments. Code 1-1

## canada courier

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## Farm tillage equipment

Farm equipment that is economically and functionally suited to both large and medium-sized farming operations is engineered, designed and made by North America's largest manufacturer of rod weeders, Morris Rod-Weeder Co. Ltd., Yorkton, Saskatchewan.

Since the early 1930s — when the company's founder and president, George H. Morris, designed and developed the automatic trip device that made rod weeders more adaptable to farming conditions — the company has consistently introduced farm machinery that lowers the farmer's production costs and increases productivity.

Today, Morris Rod-Weeder products — all of which are tested

by Morris research staff and farmers under actual working conditions — include rod weeders, cultivators, mounted harrows, seed-rite hoe drills and chisel plows.

The CP-5 series of Morris chisel plows is available in five models, from the CP-512 to the "big country" CP-543. All models feature the patented Morris automatic trip mechanism.

The trip release, in normal working conditions, holds the sweep and shank in the forward locked position to a pressure of approximately 750 pounds (341kg). This eliminates unnecessary wear of sweeps and release parts and reduces draft by as much as 25 per cent.

Rather than the sweep breaking should it strike a stone or other heavy field obstruction, the trip will automatically release, permitting the sweep and shank to swing smoothly back and up at a greatly reduced pressure of 350 pounds (159kg) to a clearance of 10½ inches (27cm). After the stone is passed, the sweep and shank return smoothly to their normal working condition to produce a fine quality tillage job.

The CP-512, the smallest of the CP-5 series, is available in cutting widths of 10, 12 and 14 feet (3, 4 and 4.2m). It is just the right size for the medium acreage farmer and gives top quality performance at low operating costs.

The CP-512 features a heavy four inch by four inch (10.1cm by 10.1cm) boxed frame that measures a full 5½ feet (1.7m) deep from front to back. To assure maximum trash clearance, shank assemblies are evenly spaced one foot (0.3048m) apart. The farmer is guaranteed smooth operation, a light draft and minimum ridging and sweep wear.

Morris' largest chisel plow, the CP-543, has a basic cutting width of 43 feet (13.1m) but it may be extended to 45 or 47 feet (13.7 or 14.3m) with the addition of optional two-foot (0.6-m) extensions. The unit is sturdily constructed for long working life and it features an eight-inch (20.3-cm) flange beam hitch for added strength and reliability in all field conditions. As with all models in the CP-5 series this unit is equipped with all hydraulic cylinders, shanks, sweeps, tires and tubes.

Morris Rod-Weeder Co. Ltd., which seeks international markets, also manufactures nine sizes of rod weeders, from nine to 50 feet (2.7 to 15.2m); three seed-rite hoe drills, 11 to 18 feet (3.3 to 5.4m); four challenger field cultivators, from 12 to 36 feet (3.6 to 11m); and two sizes of mounted harrows.

## Flag extinguishers fight variety of fires

Fire extinguishers for offices, apartments, and industrial plants are manufactured in Windsor, Ontario, by Flag Fire Equipment Ltd. The company makes water, carbon dioxide and dry chemical fire extinguishers.

The 2½-gallon (11.5-litre) pressurized water-type hand portable fire extinguishers have a range of 44-55 feet (13-17m) and discharge time of 60 seconds. They are approved by Underwriters Laboratories of Canada for Class A (wood, paper, rubbish, etc.) fires. These extinguishers have a squeeze-grip operation, pull-pin safety locks, waterproof stainless steel cylinder and gauges and 100 pound-per-square-inch (7kg/cm²) charging pressure.

The pump tank extinguishers, also suitable for Class A fires, are available in 2½- and five-gallon (11.5- and 23-litre) sizes. These lightweight, compact extinguishers are corrosion-free and clog-proof. They have simple retractable foot-holds, large easy-to-grasp carrying

## Mining equipment and services . . .

### Canada at world's first exhibition

The world's first mining equipment and services exhibition, Technomin '74, is being held November 3 to 12, 1974 in Lima, Peru — and Canada will be there, represented by about 20 of the country's most prominent companies.

Canada's vast and diverse terrain abounds in minerals — nickel, zinc, copper, aluminum, silver, coal and iron ore, to name a few. To effectively explore and exploit these rich deposits Canadian companies have had to develop highly specialized and technologically advanced mining and minerals exploration equipment and services.

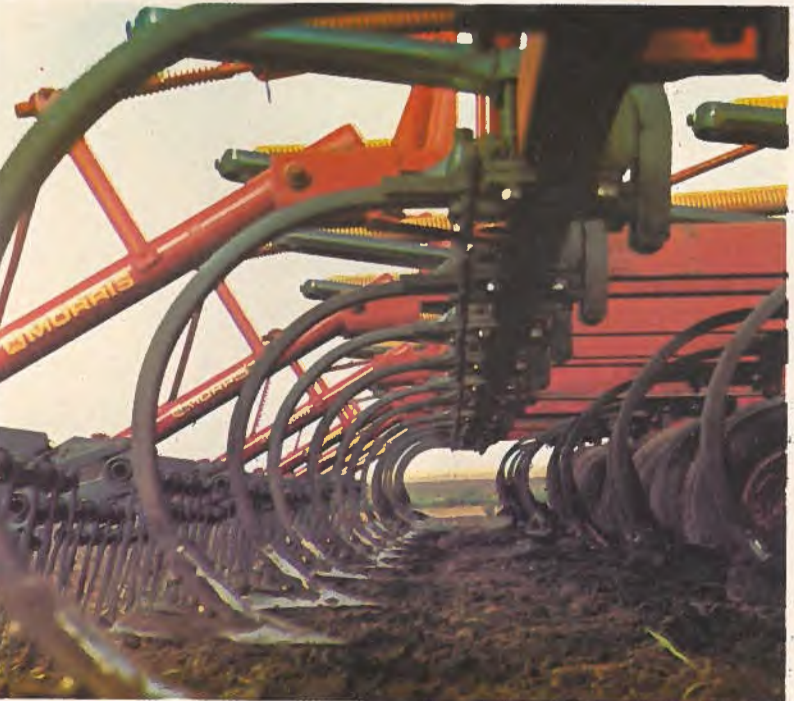
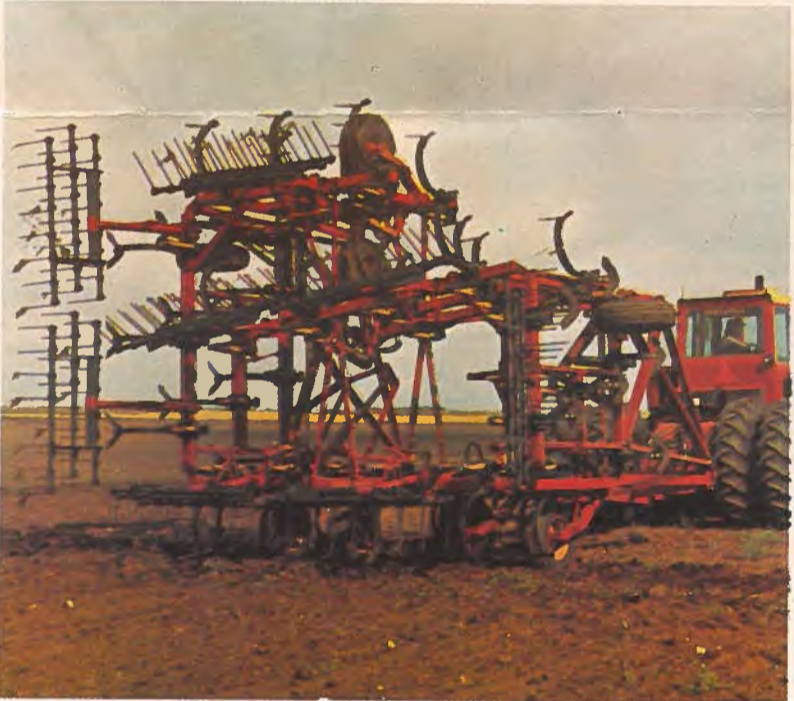
Today, Canadian-made mining, geological and geophysical equipment is used throughout the world and is recognized for its high quality and performance. At the Lima show potential customers will be afforded a further insight into Canada's wide ranging capabilities in the mining industrial field.

These capabilities include the manufacture of diamond drill equipment, drill products and drill rods; high quality precision geophysical equipment, including complete airborne geophysical exploration systems; and X-Ray Fluorescence Analyzers that give immediate visual descriptions — both quantitative and qualitative analyses — of the elements present in samples under study.

Also on show — jumbo drilling equipment that can drill parallel holes and tight curves; conveyor belt vulcanizers for all aspects of conveyor belt installation and maintenance; a variety of light and heavy equipment for the mining, forestry, materials handling and construction industries.

Canada has also a number of internationally recognized consulting and engineering companies. Many of these are active in the fields of mine planning and plant design, mineral process plants, materials handling systems, marine terminals and docks, cryogenics and high vacuum systems, and environmental engineering.

Code 2-2



For a fine tillage job there's nothing quite like the chisel plows manufactured by Morris Rod-Weeder. One of five models, this CP-543 chisel plow, with optional mounted harrows, has a maximum working width of 47 feet (14.3m). It automatically controls and maintains a constant working depth. For transport, the wings can be hydraulically placed in the "wing up" position from the tractor seat. Code 2-1



The Scintrex HGG-3 mercury spectrometer is one of a wide range of geophysical instruments manufactured by Scintrex Limited, Concord, Ontario. Specializing in scientific exploration equipment and services for minerals, geothermal and water resources, Scintrex provides complete airborne and ground geophysical instrumentation and contract services. Code 2-3



Drills for use in civil construction, soil sampling, mineral exploration, and offshore mineral and soil investigation are manufactured by Drill Systems Inc., a subsidiary of Upper Canada Resources Limited, Calgary, Alberta. The company's Becker hammer drills and Center Sample Rotary (CSR) drills are self-contained drilling units that can be mounted on truck, steel track, soft track carriers or skid frame. Code 2-4

handles and big openings for easy filling and inspection. Their range is 45-50 feet (13-15m). The carbon dioxide hand portable fire extinguishers are approved for Class B (paint, oil, etc.) and Class C (motor, electrical, etc.) fires. These extinguishers come in 5 to 20-pound (2.2- to 9.0-kg) models, with ranges of 5-10 feet (1.5-3m) and discharge times of 10-17 seconds. These extinguishers are easily operated and recharged.

The standard (sodium bicarbonate) pressurized, dry chemical fire extinguishers, also approved for Class B and C fires, are available in 2¾- to 30-pound (1.2 to 13.6-kg) models. Ranges are 8-18 feet (2.5-5.5m) and discharge times are 10-18 seconds. All dry chemical extinguishers have squeeze grip operation, heavy duty steel cylinders, pull-pin safety lock, glossy enamel finish, waterproof stainless steel gauges, and easily serviced valve construction.

Purple "K" (potassium bicarbonate) pressurized dry chemical extinguishers have many features similar to those of the standard dry chemical extinguishers. However, the Purple "K" units are available in 10- to 28-pound (4.5 to 8.1-kg) models, with ranges of 10-18 feet (3-5.5m) and discharge times of 12-18 seconds. These extinguishers are approved for Class B and C fires.

The multi-purpose (ammonium phosphate) pressurized dry chemical extinguishers are approved for Class A, B and C fires. These units have capacities of 2½ to 27 pounds (1.1-12.2 kg), ranges of 8-18 feet (2.5-5.5m) and discharge times of 10-18 seconds.

The cartridge dry chemical fire extinguisher, also suitable for Class A, B and C fires, is a five-pound (2.2-kg) unit with range of 10-16 feet (3-5m) and distance times of 11-13 seconds.

Flag Fire Equipment also makes recharges, brackets, accessories and service parts.

Code 2-5

# Come to the fair . . .

## Livestock Agribition attracts world buyers

Livestock farmers and dealers from practically every continent make it a point each year to spend the last week of November in Regina, Saskatchewan.

The occasion is the Canadian Western Agribition show which sees the exhibition and sale of some of the finest livestock Canada has to offer.

Only three years old, the show is already recognized as a true barometer of Canadian livestock and attracts purebred and commercial livestock purchasers from around the world. The 1973 show saw more than 3,000 purebred and/or recorded livestock displayed to more than 125,000 people.

Breeds exhibited or sold include: Aberdeen Angus, Charolais, Hereford, Shorthorn, Chianina, Maine-Anjou, Simmental, Limousin, Galway, Holstein-Friesian, Jersey, Ayrshire, Blonde d'Aquitaine, Welsh Black, Tarentais, Lincoln Red, South Devon, Sante Gertrudis

and Pinzgauer. Sheep and swine are also displayed and sold.

Auction sales are a major part of the Agribition. During the week in 1973, 14 purebred, recorded and/or commercial auctions were held for a total gross of \$2,684,000 and animals were sold to parts of North America, Mexico, Britain, Japan and China. A North American sales record was also established when 115 Simmental (fullblood or recorded) cattle were sold for \$1,241,725 for an average price of \$10,797.

In addition, many private transactions are completed as prospective purchasers find animals that meet their breeding program standards. And, when it comes to standards, Canada has a reputation for guaranteeing high quality livestock that are noted internationally for their good health, performance and structural soundness.

Operated as a non-profit organization as a service to producers

and purchasers, Agribition uses the latest developments in live performance and carcass testing and has ultra-sonic measurements for fat cover and rib eye.

There are displays of artificial insemination units and livestock publications. Also on hand are representatives from importing and exporting companies and from livestock insurance companies.

Complementing the show is a display by manufacturers and distributors of the latest in farm and home-stead mechanization. This provides an opportunity to demonstrate innovations or new machinery that will assist and improve agricultural production.

(Incoming visitors may have accommodation and travel arrangements attended to by the Canadian Western Agribition Association. Canada Courier will be glad to pass such requests on to the organization.) Code 3-1



High quality Canadian Livestock are exhibited and sold internationally—at the Canadian Western Agribition show which is held each year during the last week of November in Regina, Saskatchewan. This Hereford bull was declared Grand Champion at the 1973 show and was sold, by private treaty, for about \$40,000. It was also Grand Champion at the 1974 National Western Livestock show in Denver, Colorado.

## No matter the product bulk hauling made easy

Westank Industries Limited, a leading Canadian manufacturer of bulk transport and storage equipment, has a reputation for standing behind its promise to custom design anything that has to do with bulk hauling.

As an example, the Saskatchewan company constructed — for a number of Western Canadian transport companies — several combination trailer units that are capable of hauling a liquid product one way and a dry product on the return trip, allowing the trucker to make his haul pay both ways.

These three-section, 45-foot (13.7-m) long tanks have a liquid product — such as petroleum — capacity in excess of 7,500 gallons (34,125 litres) and a dry product — cement or fertilizer — capacity of between 900 and 1,400 cubic feet (25.4 and 39.6m<sup>3</sup>).

An added advantage of the combination units is that, with slight modification, they can be used to haul molten sulphur one way and gasoline on the return trip or ore one way and liquid petroleum the other — despite the fact that these combinations are not normally compatible.

Westank, which manufactures about 400 bulk hauling units a year, seldom produces standardized units. It is company policy to design the units to the customer's exact specifications and needs. Such custom-built units include petroleum trains, dry bulk trailers, hot product units, chemical units, liquid-dry units, truck and pup units, and crude oil tanks. Westank has also designed and manufactured aircraft refuellers and coal haulers.

Constructed of high tensile steel, steel, aluminum or stainless steel, Westank equipment is built to fully comply with or surpass the standards set by the Canadian Department of Transport. And the company, which has a great deal of expertise in aluminum, is fully certified for the welding of aluminum by the Canadian Welding Bureau.

In addition to designing and manufacturing bulk hauling and storage equipment, Westank will service all bulk vehicles, mount the equipment, supply parts and components and expertly instal pumps, meters, hose reels and other accessories. Code 3-2



Designed and manufactured by Westank Industries, this all-aluminum, three-compartment liquid bulk hauling unit has a capacity of 10,500 gallons (47,775 litres). It is equipped with all the safety features, including vacuum pressure manholes, hydraulically deep dished and flanged bulkheads, internal emergency valve and high impact bumper. A leader in its field, Westank will custom design and build anything that has to do with bulk hauling.

## Quality equipment and services

(Continued from page 1)  
international field.

Canada's lighting equipment manufacturing industry has grown rapidly in the past 20 years with annual production amounting to approximately \$50,000,000 and with the companies becoming more and more involved in export markets.

Increasingly, buyers are coming to appreciate original Canadian lighting designs. Canada's use of plastic louvres and lens developments opened the way for improvements in directing light and controlling brightness. The introduction of air handling troffers in the early 1960s ushered in practical and pleasing means of environmental control in building design. Recently, total-ceiling illumination was introduced, adding a new, attractive and efficient lighting concept.

In Canada many companies belong to the Lighting Equipment Manufacturers Association or the Canadian Lighting Fixture Manufacturers Association and all

equipment must comply with the requirements of the Canadian Standards Association. Production plants are ultra-modern, equipped with heat test rooms and photometric equipment, metal-forming and other materials-forming machines.

The Canadian lighting industry has successfully met the challenges of modern living — illuminating the largest auditoriums and outdoor sports events, the widest highways and shopping plazas; matching the good-looking decor of leading hotels, restaurants, art galleries and other prestigious buildings with its own designs.

On the whole, the industry offers a generous choice of products for all uses, adjustment of luminaries for particular electric current needs, quick supply from large stocks, expert packing for shipping and competitive prices.

Considering buying food and beverage preparation equipment? Sanitation and maintenance equipment? Lighting equipment? . . . Consider Canada. Code 4-1

## Cheerful chefs, happy customers with speedy cookers from Bardeau

Chefs the world over go for the Sous-Chef, a fast cooking broiler-grill manufactured by Bardeau Limited, Downsview, Ontario.

The Sous-Chef is a high-speed meat grill that instantly and simultaneously cooks meat on both sides, seals in the natural flavour and reduces shrinkage by as much as 50 per cent. It is available in two wattages. The SC1 model is a 100-volt, 1,350-watt unit and the SC2 model is a 200-volt, 2,400-watt unit.

Bardeau Limited also manufactures Flashteamer, a reliable, dry steam cooker that reheats, bastes, cooks, defrosts, poaches, melts cheese and freshens bread — all in a matter of only a few

minutes. This easy-to-operate unit is thermostatically controlled and can maintain heat at 600°F (315°C) while producing a very dry steam.

In addition, the Flashteamer has a capillary tube through which purified water is metered into the generator so as to assure proper flow without ever cooling the generator temperature.

Bardeau is also noted in many parts of the world for its series of Bard-O-Matic coffee urns. Trouble-free and operated by push button, these are available in a variety of models that brew from 350 to 1,200 cups of coffee per hour. Code 4-2



And now, just a dash of pepper! This cheerful chef has used the Sous-Chef by Bardeau for a perfectly broiled steak. The fast-cooking broiler grill simultaneously cooks meat on both sides.

## Quality is the key element

More than 50 years of experience stands behind the high quality electric surface elements and oven elements manufactured by The Canadian Chromalox Company of Canada Limited, one of Canada's largest manufacturers of heating equipment.

The company's electric surface elements are of 30 per cent nickel alloy incoloy tubings, magnesium oxide refractory and "A" grade 80-20 nickel chrome alloy resistance wire. The metal coil support is 430 stainless steel and the plug-out units have a unique patented male terminal which is silver plated.

Durable and broil oven elements are manufactured to the same rigid engineering specifications as the surface elements. Where necessary for high temperature operation, all fittings are of stainless steel. The oven elements are available in a wide assortment of mounting arrangements.

Chromalox, of Rexdale, Ontario, also produces electric fryer elements that can be supplied in any configuration to fit specific requirements. Code 4-5

## Cleancare for carpeting extends life and good looks

Any restaurateur or homeowner knows that neglected carpets depreciate at an alarming rate. But carpets can be economically revitalized and maintained with Steam-Valet and SteamBrush equipment, a new generation of carpet care products manufactured by Cleancare Equipment & Consultants Ltd., Mississauga, Ontario.

The newly developed Steam-Valet Mark 4, for deep-down, thorough extraction of dirt, is suitable for all types of carpeting and fine upholstery fabrics. A fail-safe, solid-state electronic system makes the Mark 4 both safe and fool-proof. The compact unit features thermostatic heat control, temperature gauge and simple, colour-coded controls. An electronic liquid-sensing device eliminates air-locks.

Cleancare's advanced Steam-Brush has a 20-inch (50.8-cm) head and fully adjustable cylinder-type brush. A temperature-controlled stream of solution lifts dirt while the adjustable power brush thoroughly cleans and revitalizes pile. Carpets are left spotless and looking like new.

Cleancare Equipment has also developed a range of chemical cleaning solutions that produce the finest possible results when used with the company's equipment. As well, an assortment of products for specific and spot cleaning problems is available. Code 4-3



The SteamValet Mark 4 by Cleancare Equipment & Consultants Ltd., easily and economically removes dirt from all types of carpeting and upholstery fabrics.

## Around-the-clock air control



Interior and exterior view of the Battery Variable Timer, an air-hygiene system manufactured by Air Guard Control of Canada Ltd.

Automatic around-the-clock control of odors, air borne bacteria and flying and crawling insects is guaranteed with the Battery Variable Timer (B.V.T.) manufactured by Air Guard Control of Canada

Limited, Downsview, Ontario.

For use in restaurants, dining rooms, hospitals — or wherever clean air is a requisite — the B.V.T. air-hygiene system consists of an electronically controlled and

battery operated timed actuator that, every 7½ minutes over a 24-hour period, automatically dispenses a measured amount of aerosol spray into a room.

A single dispenser serves up to 10,000 cubic feet (283m³) of space and additional units can be added for larger areas. A manual adjustment controls the amount of dispersion, from a low of 10mg to a high of 150mg every 7½ minutes. At the factory setting of 50mg every 7½ minutes, the dispenser has an average "aerosol can life" of 30 days.

Formulations for combating specific air hygiene problems are available in convenient, long-life aerosol cans and have been approved for commercial, industrial, institutional and domestic applications.

Portable, maintenance-free and easily installed within minutes, Air Guard's B.V.T. is available in a variety of colors and is used in such countries as New Zealand, South Africa, Britain, Spain and Australia. Code 4-4



Electric surface and oven elements such as these have been manufactured by The Canadian Chromalox Company since 1949.



## Stack lifters, space savers

Time and space-saving stack lifters that reduce breakage and provide added convenience in restaurants, cafeterias, hospitals and other institutions are manufactured by Architectural Metal Industries, Bramalea, Ontario. The Dyna Mite adjustable stack lifter easily dispenses different sizes and weights of china. Designed as a square dish chamber, it has several attractive features, including a hideaway cover. Mobile and built-in models are available. Equipped with exclusive instant adjust, the Dyna Lift stack lifter shown here adapts to racks, trays or dishes in seconds. The versatile unit accommodates all sizes, brands, materials and shapes of food service ware. Architectural Metal Industries also produces an assortment of drawn shapes for kitchen and industrial sinks. Code 5-1

## Powerful plunger clears clogged drains



Clogged drains, toilets and wash basins are cleared in minutes with Jet Plumber.

## Cooking with kettles

Steam kettles made by Alloy and Steel Fabricators of Canada Limited are successfully steaming succulent food in the kitchens of celebrated hotels and restaurants throughout the world.

The Markham, Ontario, company's Allfab stainless steel kettles have a unique outer jacket that provides faster heat-up from cold by reducing "short-circuiting" of the inner hemisphere from condensate. And wider space at the jacket top gives a more efficient heating area and permits steam to clean out deposits.

Simple, safe to use and with an easy-to-clean satin surface interior, Allfab kettles can also be used in kitchens that do not have a direct steam supply. This is achieved by installing the company's self-generating gas or electric units.

Another successful innovation by Alloy and Steel Fabricators is the De-Luxe Tri-Leg tilting kettle, featuring new space-saver steam connections that enter the rear and top trunnions instead of the ends. Safety features include high position steam control valve, blow-



Allfab stainless steel jacketed steam kettles by Alloy and Steel Fabricators of Canada Limited provide faster heat-up from cold and have easy-to-clean interiors.

down tube and self-locking mechanism.

Established in 1947, Alloy and Steel Fabricators of Canada is also noted for its leg-mounted stationary kettle, its electric self-contained

tilting table kettle, and its mix and match Allfab cook centres that are supplied with one, two or three-compartment steam cookers and modular kettles. Code 5-2

## Beverages dispensed with despatch



Japan bound — H. A. Brown Limited's first shipment to Japan of its Model 6100 "Mini" post-mix beverage dispensers. The units dispense up to 150 seven-ounce (207-ml) drinks per hour.

H. A. Brown Limited is noted world-wide for developing new concepts in pre-mix and post-mix beverage dispensing systems, including counter dispensers and remote coolers.

The Don Mills, Ontario, company's Habco model 6100 Mini dispenser combines optimum temperature, carbonation and syrup-to-soda ratio for maximum soft drink satisfaction. This post-mix unit dispenses up to 150 seven-ounce (207-ml) drinks per hour. It features electric faucets for fast filling, lift-out refrigeration for

quick servicing, illuminated signs for effective merchandising and a molded exterior that resists dents and scratches.

A recent H. A. Brown innovation is the Habco 6500 draft wine dispenser. A refrigerated, self-contained, all-purpose unit, the Habco 6500 is designed to cool three different types of wine at two consistent temperatures, two at 47 degrees Fahrenheit (8.3°C) and one at 57 degrees Fahrenheit (13.8°C) for wines that should be cooled but not chilled.

While the 6500 can be mounted on a bar back or counter, the product tanks, pressure regulators and pressurizing nitrogen gas can be installed in a remote location. The compact unit is attractively priced and features a handsome carved wood effect on its merchandizing panels.

Established in 1953, H. A. Brown Limited exports its products to such areas as the United States, Britain, Japan, Australia, the Caribbean and the South Pacific. Code 5-3

When it comes to clearing clogged drains there's no stopping the Jet Plumber manufactured by G. H. Wood & Company Limited, Toronto, Ontario.

The Jet Plumber consists of a special Freon gas formula — contained in a power pack that is inserted into the plumber equipment — a hand plunger and two sizes of rubber tips to fit floor drains, wash basins and toilets.

When the plunger is pressed down, the gas is released and the pressure strikes a single hammer-

like blow to the water in the blocked pipe or drain. The kinetic impact is converted into hydraulic pressure that exerts a force effective as far as 250 feet (75m) down the line. The blockage is opened without harm to pipes or fixtures.

G. H. Wood is also noted internationally for its glycolized air sanitizing sprays, like Ozium, which is packaged in several forms, including precision engineered hand-held dispensers in three sizes. There is also the transistorized automatic Ozimatic for wall

mounting. It operates for a full year on two flashlight batteries and can be switched on or off as required. Ozium refills last for a month of 24-hour service.

The company also produces paper place mats, doilies and meal tray covers; soap dispensers; products for cleaning and maintenance; and the highly acclaimed Doctor Brook Airway for hygienic mouth-to-mouth resuscitation. Code 5-4

## Bakers Pride for baking speed

Where speed is essential and space is limited there's one good answer for today's baker — convection ovens manufactured by Bakers Pride Canada Limited of Lachine, Quebec.

A favourite with bakers in delicatessens, restaurants, sandwich and coffee shops is the Model X700 convection oven. A general purpose unit, the X700 is ideal for baking, roasting or reconstituting frozen foods. Like the increasingly popular X300 — its half-size, counter top sister model — the X700 is a compact, high-volume oven.

Both units feature a fan that rapidly circulates the heat and strips away layers of insulating air surrounding the food. This results in faster heat penetration and, consequently, in faster production.

Another versatile unit for

smaller cooking areas is the Bakers Pride Model GG4 Charco Broiler which broils, grills, braises and toasts. The exclusive salamander rack pull-out drawer doubles broiling capacity and is perfect for toasting buns, braising and pan-boiling seafood. It is equally ideal as a second broiler for top-broiling steaks, fowl and other foods during rush periods.

A compact counter oven, the Model PX13 Mini Bake Oven, bakes practically anything, including pizza, frozen dinners, pies and brown-and-serve products. The Mini Bake is equipped with top and bottom elements which can be used together or separately for special baking jobs.

Powerful, productive and attractively priced, Bakers Pride ovens are in use throughout the world.



The Model X700 convection oven by Bakers Pride Canada Limited is ideal for baking, roasting or reconstituting frozen foods. Code 6-1

## The business of gift-giving



Attractive and modern, the products manufactured by Unique Art Inc. are just the thing for personal and business gift-giving. This St. Martin, Quebec, company is a major manufacturer of acrylic embedments. Its penholders, letter openers, paper weights, bookends, ash trays, key rings and other items are now sold all across Canada and the United States and the company is interested in expanding its markets. These gifts, available in many shapes, styles and sizes, have hand-carved birds, bright coins, colorful flowers and other objects permanently set in transparent blocks of lucite. The company will make special orders: it produced Canadian centennial and Expo '67 souvenirs which contained symbolic artwork. To celebrate the 1976 summer Olympic Games being held in Montreal, the company is making special gifts containing Canadian olympic coins. Unique Art's souvenirs also show an imaginative approach to business advertising: companies can have their names, logos, etc. imprinted on the souvenirs. Code 6-3



## Canadian clothes fit any fashion scene

London . . . New York . . . wherever the background, Canadian clothes fit beautifully. In fact Canada cut an impressive swath in the big clothing markets this spring, with London and New York buyers showing an order-book appreciation of the quality, trendy styling and the extra little touches that have boosted the Canadian apparel industry to the rank of a major export earner. Left, the sleek décolleté is made up in a fine jersey knit print. It was designed for Fabu Inc., Montreal, by Esther Stornini. Fabu's exhibit at the International London Fashion Fair also included short dresses with the same clean lines, trousers, shirts and pants. Right, the co-ordinated layered look from Dalkeith Sportswear Ltd., Vancouver, photographed in Gramercy Square during the fall/winter fashion presentation of the Canadian Women's Solo Apparel Show this spring. The easy, sweater style jacket, plaid with a tie belt and big pockets, and matching pants in wool worsted are worn here with a super wash wool sweater and 100 per cent polyester shirt in contrasting colours. Code 6-2

## Small loader handles big jobs

A small, hydrostatic loader that will operate in cramped spaces previously inaccessible to larger equipment has been designed by a Centreville, New Brunswick, company.

Thomas Equipment Limited has started marketing its 35-inch (89-cm), 700-pound (317-kg) S/S 700 loader. Easy to haul from job to job, the loader fits in the back

of a pick-up truck so that no separate trailer is needed.

Powered by a two-cylinder, four-cycle, air-cooled 18-horsepower engine, the loader turns a 360-degree circle in its own tracks. Two hydraulic pumps and two fixed displacement motors provide infinitely variable speeds of up to 4.8 mph (7.7km/hr).

The machine has many appli-

cations in agriculture, bulk materials handling, chemical processing, construction, food processing, lumber and wood production, mining, warehousing and other industries.

The Thomas line of loaders also includes the S/S 1200 (1200lb/771kg lift capacity) and S/S 2250 (2250lb/1020kg lift capacity).

Code 6-4



Thomas Equipment's new S/S 700 loader digs dirt with a general bucket on a residential housing construction site at Florenceville, New Brunswick. Scarifier, used for breaking up earth's surface, is attached to rear of unit. This compact, versatile and speedy machine has more than 30 choices in buckets and attachments.

# Flyer coaches designed for safety, roomy comfort

Transporting people is what it's all about at Flyer Industries Limited, a leading Canadian manufacturer of urban transit vehicles.

Design is the key to the 40-year-old company's long-standing success and one of the central factors that has made it a major supplier in the North American motor coach industry.

Flyer's newest diesel coach features the latest options for driver-passenger comfort and safety. The driver area offers wrap-around visibility and an instrument control console with fingertip control.

Increased visibility extends throughout the coach with the addition of 25 per cent more glass. This means more viewing area for the driver and passenger. The modification also admits more light for a brighter and more spacious interior.

The diesel coach has a 51-passenger nominal rating with variable seating arrangements to meet customer specifications. Standard equipment includes the most modern insulating and heating systems, fluorescent lighting, fine decor and upholstery. Single or double exit

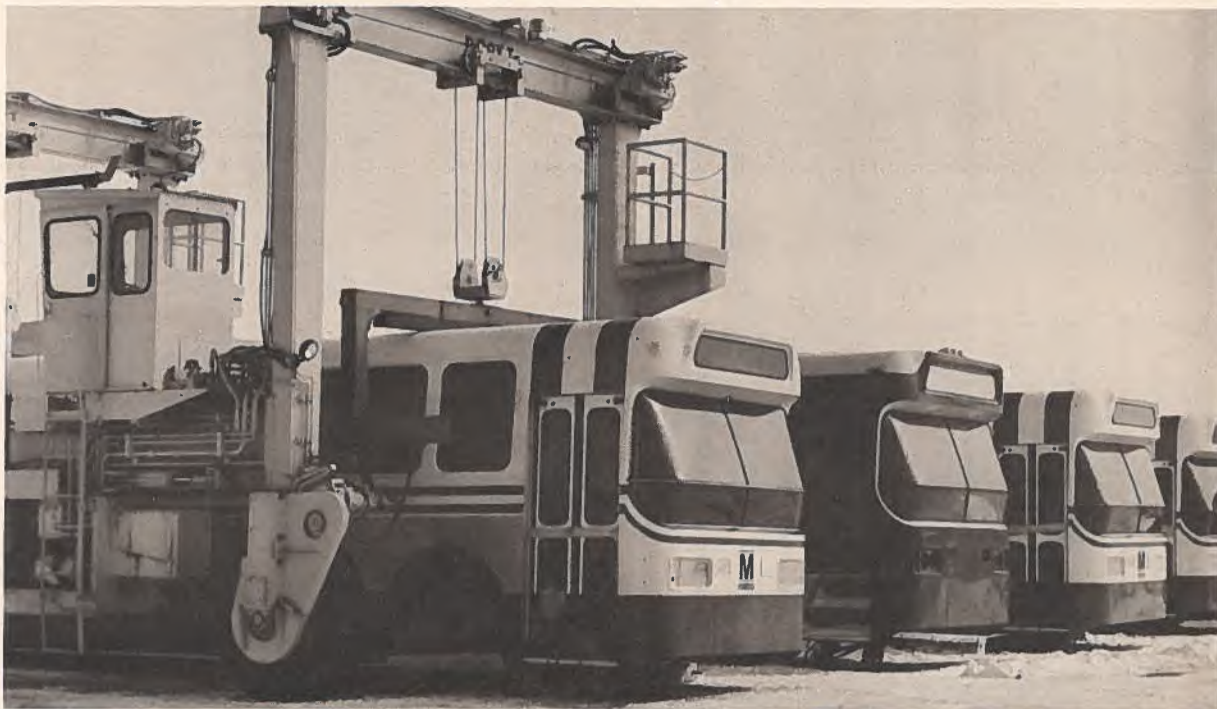
doors are optional.

Flyer's recently introduced electric coaches or trolley buses are being used in such North American cities as Toronto, Vancouver, Dayton and San Francisco.

Quiet, clean and pollution-free, the electric coaches provide safe and economical transportation. One safety feature is the split brake system with two separate units that independently controls the front and rear brakes. Another practical safety feature is the large driver and side view windows that provide increased driver visibility.

The coach's anodized aluminum panels eliminate corrosion and the front and rear fiberglass panels reduce damage and repair costs in the event of a collision.

Flyer Industries Limited, which has sold more than 550 diesel and electric trolley coaches in the past five years, can produce more than 800 units a year at its Winnipeg, Manitoba, plant. Flyer also has an agreement with a United States company whereby it produces bus shells for final assembly in the United States. Code 7-1



Completed bus shells from Flyer Industries Limited await transport to AM General Corporation where they will undergo final assembly and then be sold to the Washington Metropolitan Area Transit Authority. A leading North American supplier of diesel and electric urban transit vehicles, Flyer was recently awarded a \$25,725,000 contract to provide 343 electric trolley buses to San Francisco.

## Effective, handy fire fighter



One of the best investments any company or homeowner can make would never fit in a stock portfolio. It's a hand-operated fire extinguisher. And while it will not earn a cent in interest, it can save thousands in preventing serious fire losses. Pyrene Canada Limited of Toronto, Ontario — one of Canada's largest manufacturers of portable extinguishers — has recently introduced a multi-purpose dry chemical extinguisher with a flexible hose to get at hard-to-reach flames. It is being marketed outside Canada by the company's export division, Fire-Atak. The easy-to-operate extinguisher carries an Underwriters Laboratories of Canada rating of 2A 10BC. The 2A rating means the extinguisher is as effective as 25 pounds (11.3kg) of water on a class A fire (ordinary combustibles such as wood, cloth, paper, rubber and many plastics). The 10BC rating refers to the extinguisher's effectiveness on fires in flammable liquids, gases and greases (class B) and on fires which involve energized electrical equipment where the electrical non-conductivity of the extinguishing media is important (class C). This compact model is only 15½ inches (39cm) high, five inches (13cm) wide and 4¾ inches (12cm) deep. It weighs just 9½ pounds (4kg). Pyrene Canada, which has been making fire extinguishers for 57 years, also makes sodium bicarbonate, potassium bicarbonate and potassium chloride dry chemical extinguishers and carbon dioxide, pressurized water, foam and monnex extinguishers. The units are of cartridge type and stored pressure type and are available in capacities ranging from 2½ to 30 pounds (1.1-13.6kg). Code 7-2

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### Invitation—simple boat, ready to sail

The Invitation, a fast and inexpensive fiberglass sailboat recently introduced by Bombardier Limited, Valcourt, Quebec. Measuring 15 feet seven inches (5m), and with a five-foot (1.5-m) beam, the Invitation can accommodate two or three persons. It is also light enough for cartop transportation, with a hull weight of only 165 pounds (74.9kg). A simple boat with qualities of advanced design, the Invitation provides quick rigging and easy handling. The outhaul, cunningham and boom vang are easily adjustable and a unique quick release makes the clew outhaul fast and easy to attach. Flip-up rudder permits sailing right from the beach. The aluminum two-section mast is 22 feet (6.7m) high and supports 90 square feet (8.3m<sup>2</sup>) of Dacron sail that was designed by Ed Botterell of Hood Sailmakers of Canada Ltd. Invitation has a 14-foot (4.2-m) water line and a 500-pound (227-kg) positive flotation with foam injected between hull and deck. The sailboat is shipped as a complete unit, ready for sailing. Code 8-1

### Pleasing pottery stresses early Canadian style



Early Canadian warmth and style are evoked in the work of Canadiana Pottery Limited of Ingleside, Ontario. This company makes 48 different pieces of pottery, all distinctive in color, glaze and shape. The colors range from a rich dark brown to a creamy, soft white, all creating a pleasing accent to any decor. The pottery includes vases, bud bases, ashtrays, conference ashtrays, safety ashtrays, single and pair candleholders, bowls, fruit bowls, onion soup bowls, divided serving dishes, round serving platters, coffee pots, creamers, covered sugar bowls, open sugar bowls, decanters, jugs and beer mugs. The pottery was designed by Toronto ceramicist Ruth Gowdy McKinley. Canadiana Pottery was established by Alfred Dube, who graduated from the State Institute of Ceramics in Czechoslovakia in 1940. He has worked in ceramics in Czechoslovakia, Canada and the United States. Code 8-3

### Unique jewelry designs key to selling success



An engineer turned jewelry designer is owner of Lama Lo Designers Limited of Toronto, Ontario, and designer of the Rafael Canada line of handcrafted costume jewelry. Rafael Alfandary's unique, appealing designs are sold now throughout Canada and the United States and the company is interested in exporting to other markets. The more than 350 designs include casual and dressy necklaces, chokers, chains, bracelets, bangles, upper arm bands, belts, earrings, brooches, hairpins, keychains, money clips, outer casing lighters, cuff links, bridge tally cases and religious symbols. Each piece of jewelry is of solid brass, copper or sterling silver and protected by a lacquer finish. The stones are formed of a special glass that, when melted and polished, assumes a brilliant hue. Mr. Alfandary says he has counted about 1,200 different shades of color. Between the hand-formed metal and the wide-ranging colors of the stones, it is not surprising that no two pieces of Rafael jewelry are alike! Code 8-4



### Master yacht for a musical maestro

It takes a master to know a master! That's why Maestro Herbert von Karajan, popularly called "The General Musical Director of Europe," chose another maestro, C & C Yachts Manufacturing Limited of Port Credit, Ontario, to custom design and build his most recent yacht. Shown being loaded at Montreal for shipment to the Mediterranean, the Helisara is a 61-foot (18.5-m) racing sloop with nine berths, two pipe berths and a diesel auxiliary. C & C Yachts, 1973 winner of Design Canada's Award of Merit for design management, builds more than 500 boats a year in the 24 to 39-foot (7.3 to 11.8-m) range. It also designs and builds yachts up to 66 feet (20.1m) in length. Code 8-2