



This bulletin is published monthly as a complimentary service to promote additional manufacturing in Canada. Information on offers included in the bulletin is for circulation to established or prospective Canadian manufacturers only. No responsibility is assumed for claims or statements made. Address enquiries concerning the following items to:

**Chief, Industrial and Trade Enquiries Division, Department of Industry, Trade and Commerce,
Tower B, Place de Ville, Ottawa 4, Ontario.
Tel: 992-4441, Area Code 613**

BULLETIN 187

Sailing Boats

British firm offers the Canadian production and marketing rights to its line of 16 ft. glass fibre sailing boats, which provide a unique combination of a safe general purpose boat with a well-designed racing boat. Because of their high ballast ratio – 200 lbs. plate and 142 lbs. lead ballast – they are almost impossible to capsize even under high wind conditions. As a result, they are ideal for all-weather racing. The sails are of 5 1/2 oz. Terylene. One model has a forward shelter, another is used as a motor launch. The British licensor will provide the necessary moulds. Literature available. See illustration.

Item 2433

Hermetically Sealing Sliding Doors

Dutch firm offers under license the Canadian production and marketing rights for its hermetically sealing sliding doors. The doors hang from a unique rail system that guarantees easy and smooth operation. If desired, they can be made fully automatic, activated by a pneumatic cylinder and four-way valve arrangement which is controlled by photo-electric or ultrasonic signals. The doors can be used in deep-freeze, refrigeration and gas-storage applications and can also be used as smoke-proof fire doors, balcony doors, hospital operating room doors, etc. The doors are claimed to have a number of advantages over swinging doors as well as over other sliding doors. Literature available. See illustration.

Item 2434

Temperature Controls, Granulated Material Dryer

West German manufacturer offers under license the Canadian production and marketing rights to its line of temperature control instruments, including single circuit water-based and oil-based units for temperature control of tools for injection moulding and die-casting, injection cylinders, extruders, etc., as well as its automatic granulated material dryer. The main advantages claimed for the temperature control instruments are that the transmission liquid is kept in continuous circulation between the instrument and the object to be tempered, and excess heat is removed by an automatically regulated supply of fresh water or by means of cooling oils. Since the degree of dryness in moisture – sensitive plastics significantly influences the quality of the end product, the granulated material dryer is designed to meet this demand and guarantees an even degree of dryness. All instruments are mounted on castors for portability. Literature available. See illustration.

Item 2435

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JULY, 1971

Structural System**Item 2436**

Dutch firm offers under license the Canadian manufacturing and marketing rights to its structural system suitable for pallet racks, industrial and office partitioning, raised floors, shelf brackets and other metal frame construction. The company claims the system differs from others in that protruding brackets in partitions and racks can be avoided since the connections – fittings, nuts and bolts – are completely recessed within the channel. Another advantage is that attachments can be made at any point along the channel, thus eliminating drilling and welding. Literature available. See illustration.

Horizontal Plate Filter**Item 2437**

American company offers under license the Canadian manufacturing rights to its horizontal plate filter, for use in the chemical, food, brewery and all process industries. In addition, due to its unique design it is claimed to be competitive with cartridge filters used with machinery. It consists of a stack of horizontal plates in a shell, the plates having cavities in their upper sides covered with a filter cloth. The top face of the unit is coated with a filter cake. The liquid to be filtered is introduced into the shell around the plates and the filtrate is removed from the plate cavities. The claimed advantages of this process include finer filtration at lower cost and the patented horizontal leaf design allows interruption of flow without damage to the filter media. Licensor can provide marketing facilities. Literature available. See illustration.

Incinerator**Item 2438**

Danish firm seeks Canadian licensee to manufacture and market its incinerator designed especially for hospital waste. This type of incinerator is suitable for hygienic, sterile, odourless and sootfree destruction of a wide range of wastes: organic waste from hospitals, dead animals, domestic, commercial and industrial waste, plastic and rubber waste, etc. The unit features large doors to facilitate loading and ash removal. The total incineration provided by a primary and a secondary combustion chamber ensures a minimum volume of residue. The ash is completely sterile and there is no air pollution. Literature available. See illustration.

Tree Stumper**Item 2439**

American inventor offers a licensing arrangement to a Canadian manufacturer to produce and sell his tree stumper attachment for tractors. This equipment consists of a rear-mounted frame supporting a large, carbide-tipped cutting blade. The blade is driven by the tractor's power take-off and can cut stumps to 6 inches below ground level at 525 R.P.M. The attachment fits most tractors equipped with a 3-point hitch. Literature available. See illustration.

Automatic Self Ignition Heater**Item 2440**

British firm is seeking a licensing arrangement with a Canadian company to manufacture and market its automatic self-igniting heater. This patented oil burning heater, equipped with automatic ignition, is designed primarily for the prevention of frost damage to crops. It is galvanized for weather protection and is fully portable. The heater ignites automatically when the temperature drops to a predetermined level and is claimed to operate without smoke on low cost fuel oil. Its fuel capacity is two gallons, its fuel consumption is two gallons per eight hours, and its heat output is from 36,000 to 38,000 B.T.U.'s per hour. Literature available. See illustration.

Data Verification System**Item 2441**

British firm is offering to a Canadian manufacturer the Canadian production rights and the world-wide non-exclusive marketing rights to its data verification system. This system is generally used to transfer handwritten or typewritten information to computer readable language and, in the process, to verify and validate the accuracy of this transfer. The system consists of a reader, electronic logic, power supply, programmer and device to produce the required output media. The chief advantage claimed for this system is increased data processing accuracy at reduced throughput time. Literature available.

Surface Alloying Process**Item 2442**

German firm offers under license the Canadian rights to a patented electrical process for surface alloying. Claimed advantages of the process are the simple and rapid application of the coating, which lends itself to fully automatic production lines and programs, and the use of relatively cheap non-temperable or non-alloyed basic materials. The coating materials consist of special metals and hard metal powders including tungsten carbide, titanium carbide, as well as nitrides and carbides normally used for the production of hard metals. X-rays indicate that the coating is not only a type of a metal welding but an alloy of basic and coating materials formed on the surface. Coating thickness ranges up to .008 in. per application. Literature available.

New Concept in Containers**Item 2443**

Australian company offers under license the Canadian manufacturing and marketing rights to its new concept in containers. The principle concerns a lid which is placed inside the container instead of outside. The lid can be pressed down upon the surface of the contents at any level, thus dispelling the air within the container and also preventing access of air from outside. The principle involved can be applied to either plastic or glass containers. The inventor claims that only containers employing this unique concept can be guaranteed to keep the contents in original condition until finally used. Literature available.

Grid Assembly for Concrete Reinforcing Steel**Item 2444**

Canadian inventor offers under license the Canadian rights to his patented improvements related to grid systems for reinforcing concrete or the like. The improvements are designed specifically for the construction industry and offer an efficient, economical and simple method for the placement of reinforcing steel rods, conduit cables, etc., in concrete floors or walls. It is claimed that no special tools or skills are necessary for the placement of the grid system, thereby providing considerable cost saving. The system can also be used in laying piping for skating and curling rinks, highways, etc. Literature available.

Oxygenated Organic Compounds**Item 2445**

Scottish government-sponsored research and development agency is seeking a Canadian industrial partner to exploit an invention and to investigate new technology in the production of oxygenated organic compounds from olefins and oxygen. Invention relates to direct oxidation of ethylene or propylene in a slurried bed reactor system and then reaction of the resulting oxide with an appropriate liquid medium containing a catalyst to produce such oxygenated materials as unsaturated esters, glycols and glycol ethers. Experimentation has led to methods of selectively forming vinyl acetate or acetaldehyde from ethylene and oxygen without the production of carbon dioxide. Continuous pilot plant capable of operating at up to 10 atmospheres pressure is available for development work. Literature available.

Garbage Pail**Item 2446**

Canadian firm seeks Canadian licensee to manufacture and market its kitchen step-on garbage pail which has a box of plastic garbage bags stored in the base. The garbage bags are linked together in the box so as to come out one at a time as they are pulled through a slot in the bottom of the pail. The top of the bag is then stretched over the top of the pail. When full, the bag is sealed with a tie and removed, thus pulling the next bag into place. The licensee will have the option of various design styles. Literature available. See illustration.

Adjustable Chair**Item 2447**

Canadian inventor offers under license the Canadian manufacturing and marketing rights for his adjustable chair. Designed primarily for therapeutic purposes, the chair incorporates a feature that permits the position of the seat to be changed independent of the position of the back. Furnished with arm rests which remain level in all positions, the chair is available in a folding model made of metal tubing and plywood and a non-folding upholstered model made of wood. Also available is an adjustable and foldable leg holder which may be used with either model. Literature available.

Pipestem**Item 2448**

American inventor is seeking a licensing arrangement with a Canadian manufacturer to produce and market his new design of stem for tobacco smoking pipes. The invention involves a pipestem having a moisture vent leading downward from a moisture trap in the smoke passage, to a grooved portion on the exterior stem. A disposable absorbent material is applied externally to the stem over the moisture vent within this groove. A claimed advantage of the invention is that it keeps pipe shank and bowl free of sludge. Literature available.

Electric Shaver/Manicuring Set**Item 2449**

Canadian inventor offers under license the Canadian manufacturing and marketing rights for his electric shaver with manicuring attachments. It is claimed that this device may be used as a regular shaver for men but may also be used for shaving ladies' legs, cutting hair from the ears and nose, etc. Inside the shaver, there is a flexible fan for cooling and getting rid of hair. The manicuring attachments incorporate a nail file and cutter, plus a series of other attachments like a polishing felt, sandpaper, circular brush. Literature available.

ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CASES TO:

Canadian Patents and Development Limited,
275 Slater Street,
Ottawa 4, Ontario.

System for Handling Large-Amplitude Signals**Case 4371**

A system for compressing analog voltage signals whose amplitudes exceed the modulation capacity of a radio link or tape recorder. Later the stored signal can be reconstituted, with no loss of information, for processing. This system would be useful in, for example, storing the output of an airborne magnetometer.

Programmable Walsh Function Generator**Case 4668**

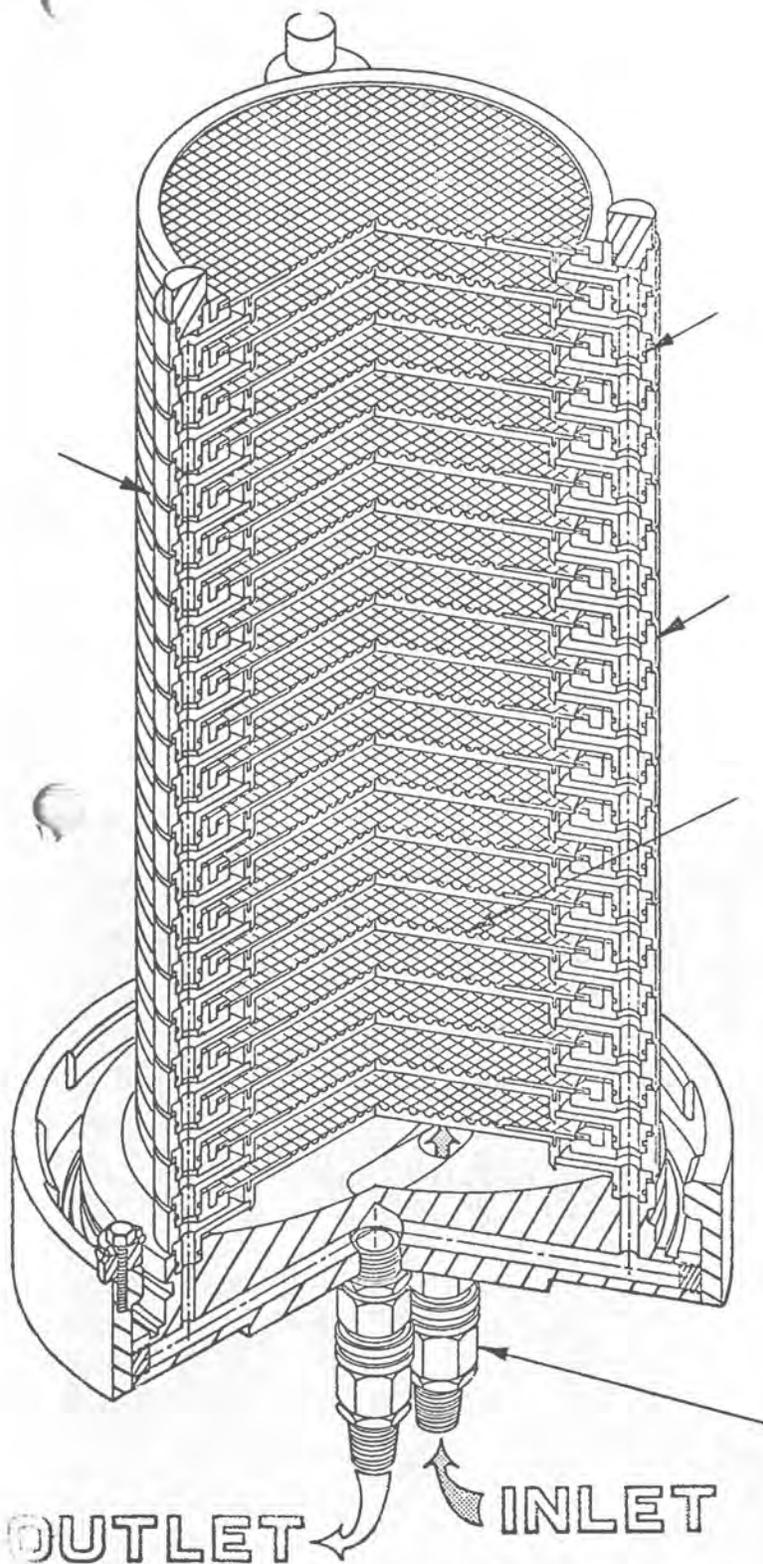
Walsh functions are the digital counterpart of sinusoidal functions and can be used in Fourier analysis of analog signals. This case represents a simple, accurate and more reliable Walsh function generator that uses 10 times fewer gates than present devices. By selection of the appropriate code, the system will generate any of the first 64 Walsh functions.

HF Inverted Disccone Antenna**Case 4887**

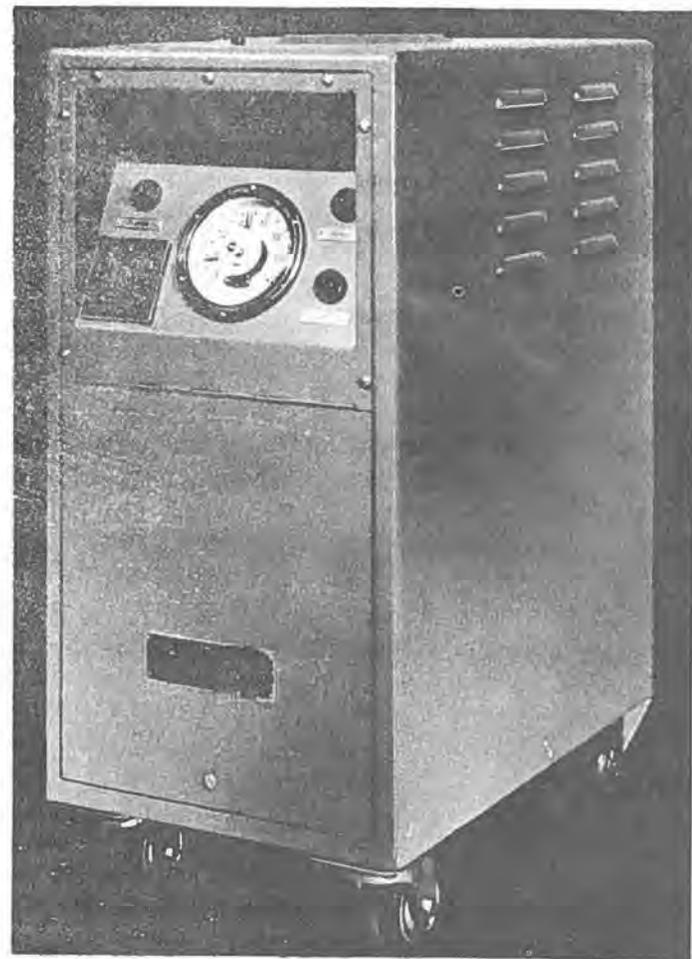
An improved antenna for receiving and transmitting in the HF band. It is supported on six masts in a hexagon pattern and guyed so that it is truly omni-directional even at low angles. The feed is well above the ground to minimize surface noise and to prevent shorting by snow or wind-blown materials.

NEW CANADIAN PATENTS AVAILABLE FOR LICENSING OR SALE

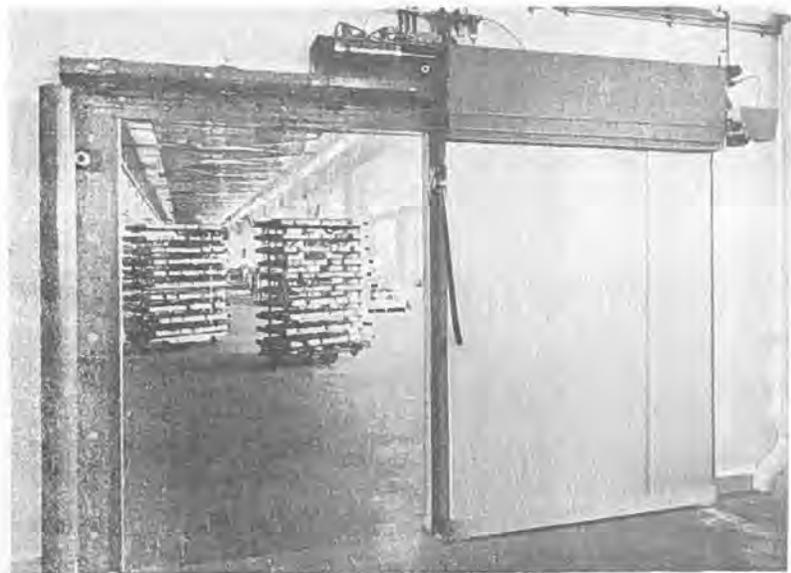
Abstracts of all patents issued weekly in Canada appear in the Patent Office Record. Special notation is made of those patents which are available for licensing or sale. The Patent Office Record is available from the Queen's Printer, Canadian Government Printing Bureau, Ottawa, for \$1.00 per issue or \$26.00 per year. Orders should be accompanied by a cheque or money order made payable to The Receiver General of Canada.



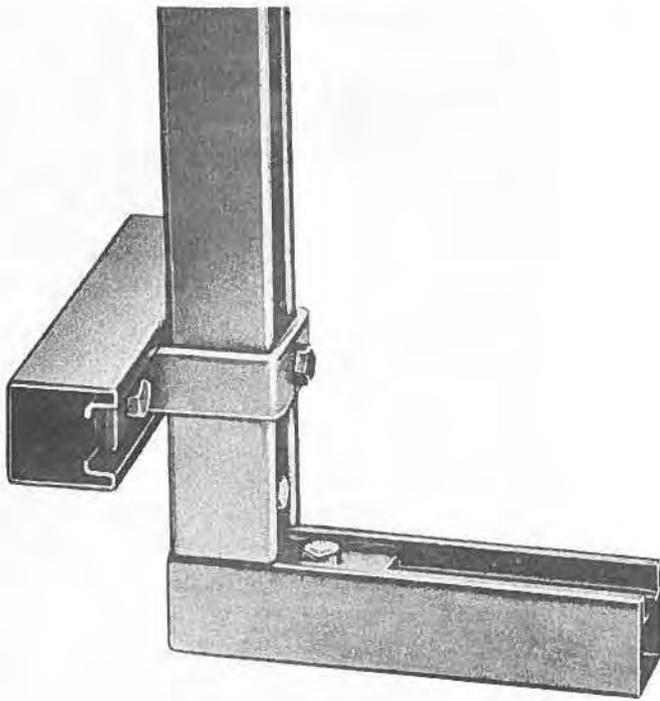
Item 2437 — Horizontal Plate Filter
 Article 2437 — Filtre à plaques horizontales



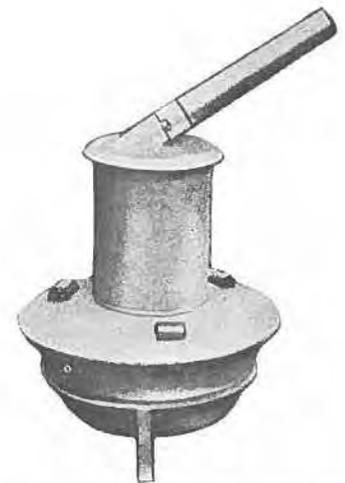
Item 2435 — Temperature Controls, Granulated Material Dryer
 Article 2435 — Instruments de contrôle de la température et séchoir de matériaux granulés



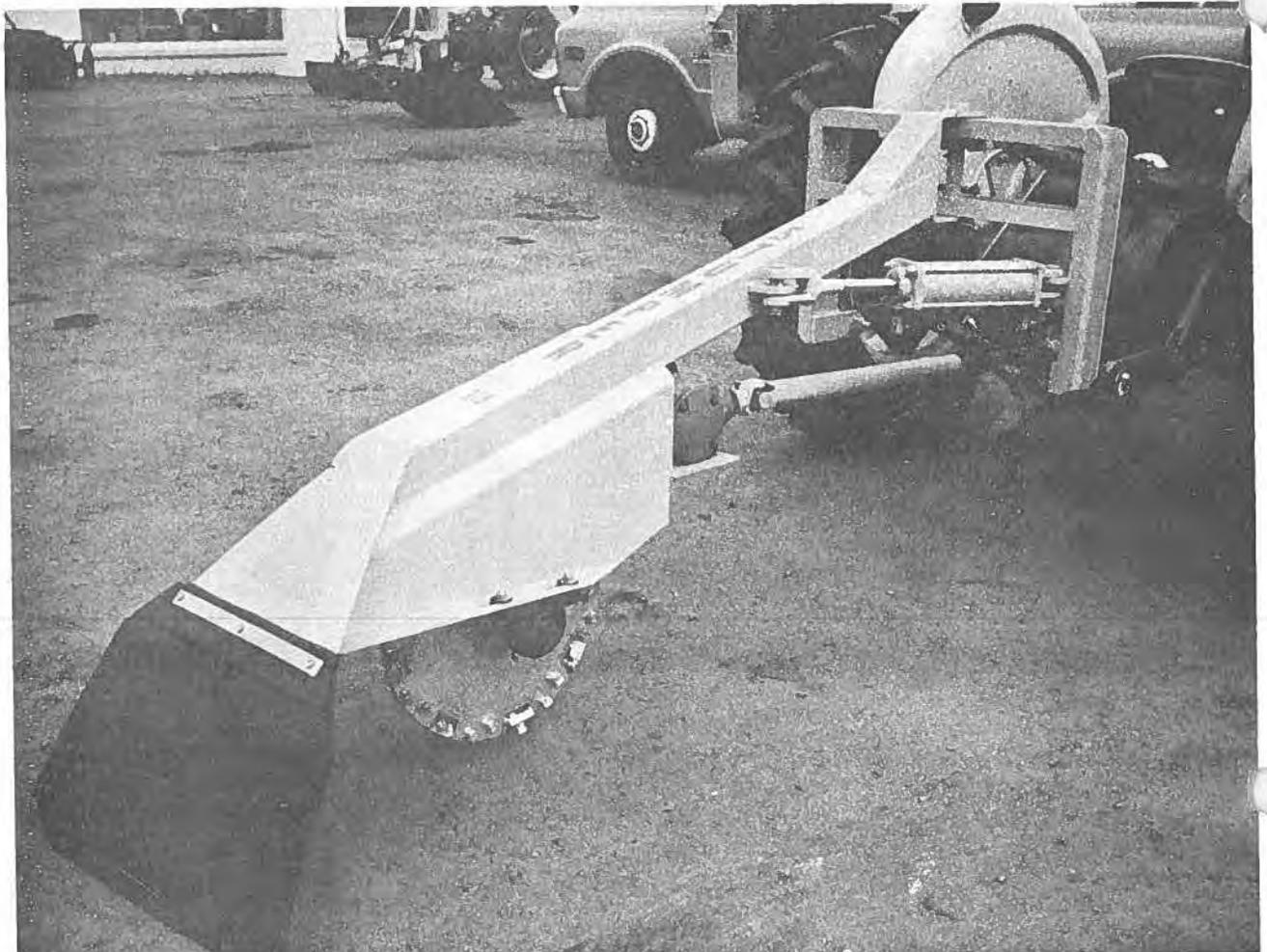
Item 2434 — Hermetically Sealing Sliding Doors
 Article 2434 — Portes coulissantes hermétiques



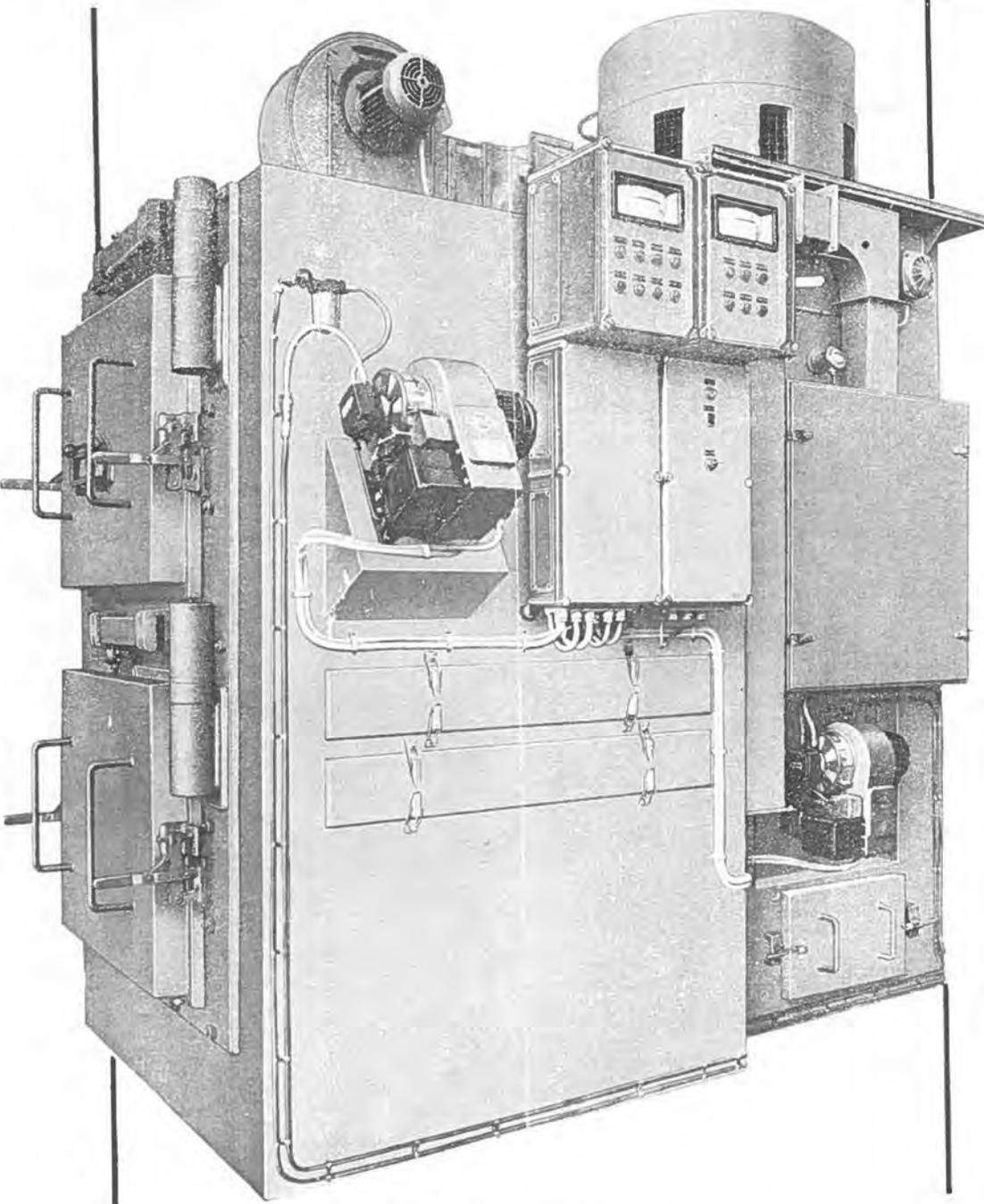
Item 2436 — Structural System
Article 2436 — Système structural



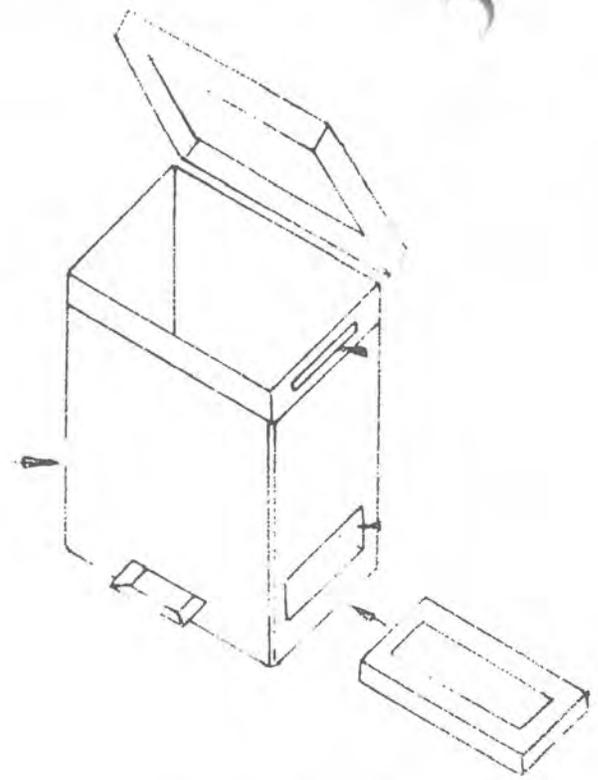
Item 2440 — Automatic Self Ignition Heater
Article 2440 — Appareil de chauffage à allumage automatique



Item 2439 — Tree Stumper
Article 2439 — Essoucheuse



Item 2438 - Incinerator
Article 2438 - Incinérateur



Item 2446 - Garbage Pail
Article 2446 - Poubelle



Item 2433 - Sailing Boats
Article 2433 - Voiliers