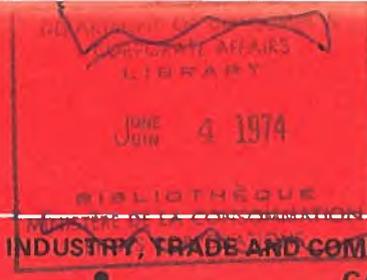


# new products bulletin

INDUSTRIAL AND TRADE  
ENQUIRIES DIVISION

DEPARTMENT OF INDUSTRY, TRADE AND COMMERCE  
OTTAWA  
CANADA



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:

**K.E. Hacker, 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 174**

SCIENCE AND  
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**MAY, 1970**

BIBLIOTHÈQUE  
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TECHNOLOGIE

**PLASTILINE – Concrete Pipeline Protection**

**Item 2216**

Australian firm seeks Canadian licensee to manufacture and market PVC sheeting for internal lining of large concrete sewer pipes, field cast manholes, pump wheels, etc. The sheeting is intended to protect the concrete from corrosion, greatly extending its life. The pipe sheeting is .06 inches thick with ribs designed to key to the pipe when factory cast; field jointing procedure is simple. Licensor will provide as required the material, equipment, training and supervision for the manufacture of the PVC sheeting and will provide the same assistance if the licensee wishes to also manufacture the high quality, high-density spun concrete pipes suitable for embedment of the lining. Potential licensees would likely be manufacturers of large concrete pipe and/or plastic extrusion firms with medium to large extruders. Literature available. See illustration.

**Chimney Top**

**Item 2217**

American firm is seeking a licensing arrangement with a Canadian firm to manufacture and market specially designed pre-cast chimney caps which improve the operation of the fireplace by preventing downdrafts and reducing soot formation in the chimney. They also protect against the emission of sparks and seal out snow and rain. Licensor will furnish technical information, drawings and fiberglass moulds. Licensee should have technical experience with refractory materials and concrete manufacturing. Literature available. See illustration.

**Geodetic Joint and Space Frame System**

**Item 2218**

British firm offers a licensing arrangement to a Canadian manufacturer to produce and sell its new flexible joint for space frames and/or the complete space frames used in the construction of light buildings. The joints consist of drop forgings and malleable castings which are mass produced and shop welded to any size, shape or number of structural members meeting at the nodes of the frame. The design permits flexibility of erection to allow for on site discrepancies. No machining or field welding is required; locking is accomplished after complete erection and alignment by means of tapered wedges. Literature available. See illustration.

**PVC Window & Door Frames****Item 2219**

Belgian firm is seeking a licensing arrangement with a Canadian firm to produce and market door and window frames of polyvinylchloride. The company claims that special tests of this material show it to be very durable, incombustible, and resistant to all weather conditions. The frame itself is airproof and waterproof; it provides insulation and reduces maintenance costs. Licensor will provide, technical data, basic components, dies and loan of technicians. Literature available. See illustration.

**Pivot Arm****Item 2220**

American firm offers under license the Canadian production and marketing rights for a pivot arm, or right angle drive, designed to eliminate the use of costly gearing and oil baths. The input is always rotation and the output can be either rotation or oscillation. No change in power source is necessary in order to change the output motion and many angular variations can be applied. The unit's chief advantage is that it has only four basic moving parts and is thus economical to manufacture and long lasting. Literature available. See illustration.

**Luminous Advertising Signs****Item 2221**

West German manufacturer offers under license the exclusive Canadian manufacturing and marketing rights to a line of luminous advertising signs such as are mounted indoors or outdoors to identify and advertise commercial and industrial establishments or to provide directional information. Use of clocks is integrated into many of the sign designs. Manufacturing and marketing know-how, as well as technical training in manufacture, is offered by the licensor. Literature available.

**Motor for Pumps and Compressors****Item 2222**

American company is seeking a licensing arrangement with a Canadian firm to produce and market a new type of electrical motor that is structured to produce reciprocating motion directly. With an appropriately designed machine, it has been utilized to function as an air compressor and as a gas compressor. It is claimed that this motor can also be utilized in other work functions where reciprocating motion is required, such as refrigerator compressors, vacuum pumps, fluid pumps, and power tools. Licensor will provide technical literature, production drawings, and technical training to qualified engineers if required. Literature available. See illustration.

**Heaters and Heat-Exchangers****Item 2223**

Czechoslovakian firm is seeking a licensing arrangement with a Canadian firm to produce and market its new designs of heat-exchanger for steam generators, fuel-oil flow heater for steam generators, and high-pressure heat exchanger. These designs have advantages of lower weight, smaller size with increased heating surface, lower materials cost, use of silicon glues instead of arc welding, and a new anti-corrosion coating. Literature available.

**Plastic Extrusion Process****Item 2224**

West German firm is seeking a licensing arrangement with a Canadian manufacturer to produce and market its line of versatile plastic extrusions. The new process can be used to manufacture extrusions with a chipboard core for use as trim or structural mouldings; hollow all-plastic profiles used in the production of drawers; and plastic mouldings with metal coverings. Advantages claimed for this process are that it is more economical and the end products have better aesthetic qualities. Literature available. See illustration.

**Concrete Pipe****Item 2225**

Australian firm is seeking a licensing arrangement with a Canadian firm to manufacture by its special centrifugal process a high quality, high density spun concrete pipe. Types include reinforced culvert pipes and socketed drainage, sewer and pressure pipes. The licensor will provide either the drawings for the pipe making machines or the actual machines required, as well as assistance in training of staff and continuing access to latest technical developments. The Canadian licensee should be experienced in pipe making. Literature available. See illustration.

MAY 25 1978  
 CONSTRUCTION AND COMMERCIAL AFFAIRS

**Concrete Block Machines****Item 2226**

German firm offers under license the Canadian manufacturing rights and the North American marketing rights for its complete range of automatic and semi-automatic concrete block machines. These machines are said to guarantee exact size concrete units with above average density at very low cement consumption. Licensee will provide patents, drawings, technical know-how, advertising literature and assistance in training of technicians if required. Literature available. See illustration.

**Escalators****Item 2227**

Dutch firm is seeking a licensing arrangement with a Canadian company to manufacture and market its design of escalators. The escalators use a wide range of synthetic materials to reduce maintenance costs and to provide modern design. These units are claimed to conform to the highest demands of quality and efficiency. The licensor will provide technical drawings and critical patented parts. Preference will be given to Canadian firms already involved in manufacturing and installing elevators and/or escalators. Literature available. See illustration.

**Ventilation and Heating Equipment****Item 2228**

Swedish firm is seeking licensing arrangements with Canadian companies to manufacture and market its line of air conditioning and ventilating equipment. This equipment includes fans, blowers, air valves, air heating and drying equipment, portable and permanent space heaters, central system air conditioning units, room convection units, dust collectors, cyclones, scrubbers, air separators, flue gas cleaning units, and accessories. The licensor is well established in both manufacturing and research and offers the licensee patents, technical information, drawings, parts, and sales and advertising literature. Literature available. See illustration.

**Prefabricated Low-Cost Homes****Item 2229**

American company is seeking a licensing arrangement with a Canadian firm to manufacture and sell prefabricated housing units made of a chemically treated pressed cardboard material that is claimed to be superior to wood for fire retardant, water proofing and vermin resistant qualities. The exterior is coated with fibreglass in a wide variety of colours. Units can be used for low-cost housing, cottages, clinics, etc. It is claimed the units can be erected in one day and that the cost is extremely low. Literature available. See illustration.

**Shell Core Mould Production Machinery****Item 2230**

American firm offers for license the Canadian production and marketing rights to its line of shell core machines; shell moulding machine; shell mould bonding press; and shell core and moulding machine accessories used in the foundry industry for the production of shell cores and moulds. It is claimed that the use of cores and moulds made of sand coated with phenolic resin (shell) produces castings of superior surface finish and dimensional accuracy and results in easier shakeout, reduced cleaning costs and reduced machining costs. The licensor will provide technical know-how, drawings and sample machines. Literature available. See illustration.

**Blood Group Identity Tag****Item 2231**

Swiss firm offers under license the Canadian production and marketing rights for an accessory to a bracelet or wrist watch which will identify the blood group of the owner. The advantage of this medical aid is that it is more attractive and convenient to wear than the usual identity disc. Literature available. See illustration.

**Smoking Pipe****Item 2232**

American inventor offers to a Canadian manufacturer the Canadian and American patent and trademark rights, on a licensing or outright sale basis, for his unique type of smoking pipe. The pipe is designed to effectively remove substantial amounts of tars and nicotine through the use of highly absorbent replaceable cartridges inserted into a unique stainless steel coil. The smoke is drawn around the loops of the coil which causes the tars to condense. These tars are then absorbed by the filter. The result is a cool, dry smoke with the original flavour retained since the smoke is not drawn *through* the filter. The licensor will provide technical assistance and the special tools and machines now being used for manufacture in the United States. Literature available. See illustration.

**Wooden Educational Toys****Item 2233**

British firm is seeking a licensing arrangement with a Canadian firm to manufacture and market its line of educational wooden toys. At present the firm has twelve designs to offer and the license agreement would extend to subsequent designs added to the line. Licensor will provide technical advice and assistance in designing promotional material. Interested firms should possess the ability to produce high quality goods economically on a batch production basis and have established marketing facilities. Literature available.

**Method of Building Construction****Item 2234**

Swiss company offers under license to a Canadian builder-developer a system for constructing non-prefabricated housing that is claimed to offer savings of 60% on labour and 35% on prices in comparison with traditional building methods. The system is versatile and permits personalization of each house. Licensor will provide plans, know-how for manufacture, assistance in organization and sales, and training of personnel. Literature available. See illustration.

**Household Wrap Dispenser****Item 2235**

American inventor offers Canadian production and international marketing rights for a new dispenser for household wrap material such as wax paper, "Saran" wrap, etc. Its construction is of rigid aluminum extrusions, plastic end caps and blade, and foam gripping pads. Experimental models and a prototype production model show it to be practical and functional. Licensor will provide drawings and a model of the product if required. Literature available. See illustration.

**Vertical Concrete Casting Machine****Item 2236**

Canadian inventor is interested in a joint venture with a Canadian company for the world wide marketing and sub-licensing rights for a vertical concrete casting machine which mass produces structural, prestressed hollow core walls and floor elements. Concrete sandwich panels and facades are manufactured in a "one casting operation", which represents a new achievement in precast concrete. The machine is approximately 12 ft. wide, 12 ft. high and up to 36 ft. long with a rigid center core and two moveable side walls for easy access in order to strip the finished products and to adjust, clean and oil the 5/8" thick steel plates which subdivide the machine into compartments. Several steel tubes, which carry special vibrators and also form the hollow core in the concrete, are positioned within these compartments. The tubes are withdrawn approximately two hours before the end of curing cycle, thus providing ample time for a cooling down period while the steel tubes are cleaned in order to be ready for a new production cycle, as soon as the finished products are stripped and the machine is cleaned. Literature available. See illustration.

**NEW CANADIAN PATENTS AVAILABLE FOR LICENSING OR SALE**

Canadian patent applications may be filed in French or English and the subsequent patents or abstracts appear in the language of filing. Please request abstracts of the following patents by number from the Industrial and Trade Enquiries Division, Department of Industry, Trade and Commerce, Ottawa 4, Ontario.

<u>Invention</u>	<u>Patent issued</u>	<u>Patent No.</u>
Apparatus for Forming Spiral Tubing from a Ribbon of Thin Material	Dec. 10/68	800,784
Intermittent Motion Device	Mar. 17/70	836,824
Oscillatory to Rotative Mechanical Movement	Mar. 17/70	836,825
Rotary Machine of Blade Type	Mar. 17/70	836,864
Book Carton	Mar. 17/70	836,924

Book Carton	Mar. 31/70	837,952
Book Carton	Mar. 31/70	837,953
Fastening Assembly	Mar. 17/70	836,953
Cationic Asphalt Emulsions	Mar. 17/70	836,955
Phosphoric Acid Clarification	Mar. 17/70	836,981
Process for Agglomerating Vitrifiable Masses	Mar. 17/70	836,998
Purification of Adiponitrile Containing Fractions	Mar. 17/70	837,130
Nitrocellulose Lacquers	Mar. 17/70	837,167
Random Particle Impact Microscope	Mar. 17/70	837,235
Compact Tackle and Utility Box	Mar. 24/70	837,317
Treatment of Cellulosic Fibers Used in Paper Products	Mar. 24/70	837,346
Seed Germination Tubes	Mar. 24/70	837,402
Apparatus for Forming Sheet Material to Provide Three-Dimensional Shapes	Mar. 24/70	837,431
Centrifugal Force Propulsion	Mar. 24/70	837,448
Control Valve	Mar. 24/70	837,451
Production of Ammonium Phosphates	Mar. 24/70	837,482
Process for the Preparation of Anhydrous Aluminium Fluoride	Mar. 24/70	837,483
Production of Spheroidal Uranium Metal Powder	Mar. 24/70	837,513
Treatment of Raw Materials to Recover Metal Values Therefrom	Mar. 24/70	837,516
Longitudinally Slit Foam Insulating Tubes and the Method and Apparatus for Manufacturing the Same	Mar. 24/70	837,569
Isocyanurate-Containing Isocyanates	Mar. 24/70	837,617
Compositions for and Methods of Inhibiting the Discoloration of Alkylated Phenols	Mar. 24/70	837,666
Controlled Ink-Jet Copy-Reproducing Apparatus	Mar. 24/70	837,778
Controlled Ink-Jet Copy-Reproducing Apparatus	Mar. 24/70	837,779
Oriented Magnetic Memory Cores	Mar. 24/70	837,783
Ferroelectric Ceramic Electro-Optical Device	Mar. 24/70	837,793

End Fitting for a Glass Fiber Rod	Mar. 31/70	837,816
Dispositifs amortisseurs de vibrations pour arbres tournants	mars 31/70	837,841
Emergency Starting Device for Automobiles	Mar. 31/70	837,852
Combined Sink and Clothing and Crockery Washing Machine	Mar. 31/70	837,891
Drawer-Type Carton	Mar. 31/70	837,936
Aerosol Dispensing Attachment	Mar. 31/70	837,940
Gun for Applying Adhesives to Surfaces	Mar. 31/70	837,942
Cushioned Container	Mar. 31/70	837,951
Gas Bearing	Mar. 31/70	837,994
Method for Raising the Autogenous Ignition Temperature of Carbon Disulfide	Mar. 31/70	837,999
Means for Raising the Autogenous Ignition Temperature of Carbon Disulfide	Mar. 31/70	838,000
Préparation de dithiolannes	mars 31/70	838,161
Fabrication d'imino-dithiolannes	mars 31/70	838,162
Composition plastique au soufre	mars 31/70	838,212
Temperature Control Circuit	Mar. 31/70	838,287
Wrench	Apr. 7/70	838,405
Farm Implement	Apr. 7/70	838,417
Variable Displacement Turbine-Speed Hydrostatic Pump	Apr. 7/70	838,423
Chaudière	avril 7/70	838,439
Sea Urchin Chair	Apr. 7/70	838,473
Solution Mining Method of Soluble Minerals or Mineral Compounds from Defined Subterranean Multiple Deposits	Apr. 7/70	838,477
Apparatus and Process for Forming Mats from Pourable Material	Apr. 7/70	838,532
Staple Remover	Apr. 7/70	838,547
Molten Salt Method of Separation of Americium from Plutonium	Apr. 7/70	838,615
Chemical Treatment of Metal Surface to Improve Paint Adherence	Apr. 7/70	838,643

<b>Self-Starting Synchronous Motor</b>	<b>Apr. 7/70</b>	<b>838,769</b>
<b>Compact Electrical Connectors</b>	<b>Apr. 7/70</b>	<b>838,849</b>
<b>Passenger Ticket Checking System</b>	<b>Apr. 7/70</b>	<b>838,856</b>
<b>Insulated Gate Field Effect Transistors</b>	<b>Apr. 7/70</b>	<b>838,894</b>

**ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CASES TO:**

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

**Increasing Oxygen Transfer into Aqueous Solutions**

**Case No. 4345**

A novel method of transferring oxygen from the gaseous phase into liquid solution. A second liquid phase, immiscible with the first and having a high capacity for dissolving oxygen, is contacted with the actual working liquid. Lower operating costs are indicated. Applications to sewage disposal problems have been studied.

**Neutron Dosimeter**

**Case No. 4384**

Fission fragment tracks produced in sheet mica and other insulating materials by neutron irradiation can be counted electrically. The tracks are leached out and the sheet made into a capacitor having one plate of thin metal foil. A high voltage causes break-down along the tracks one-at-a-time and punctures the foil to prevent a second discharge.

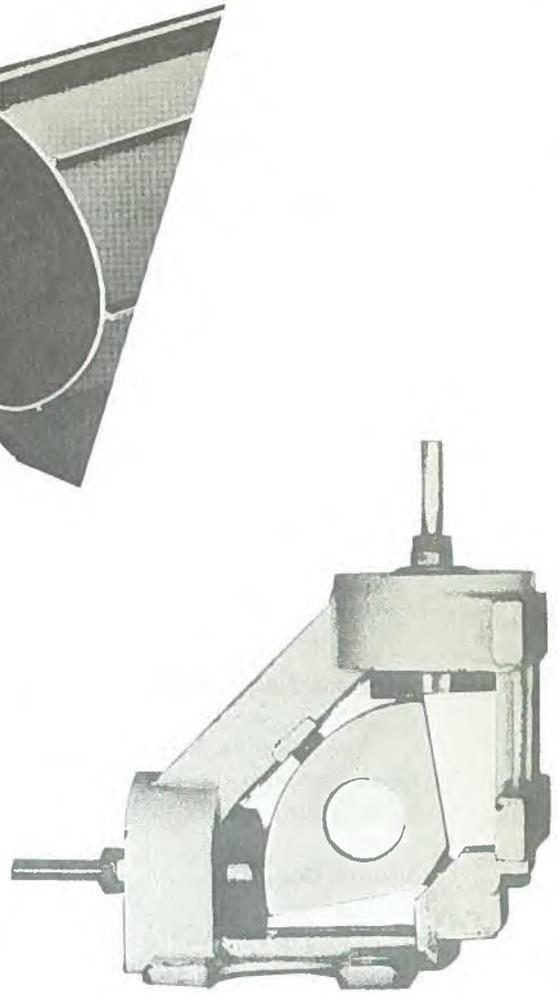
**Fungicides for Cellulosic Materials**

**Case No. 4385**

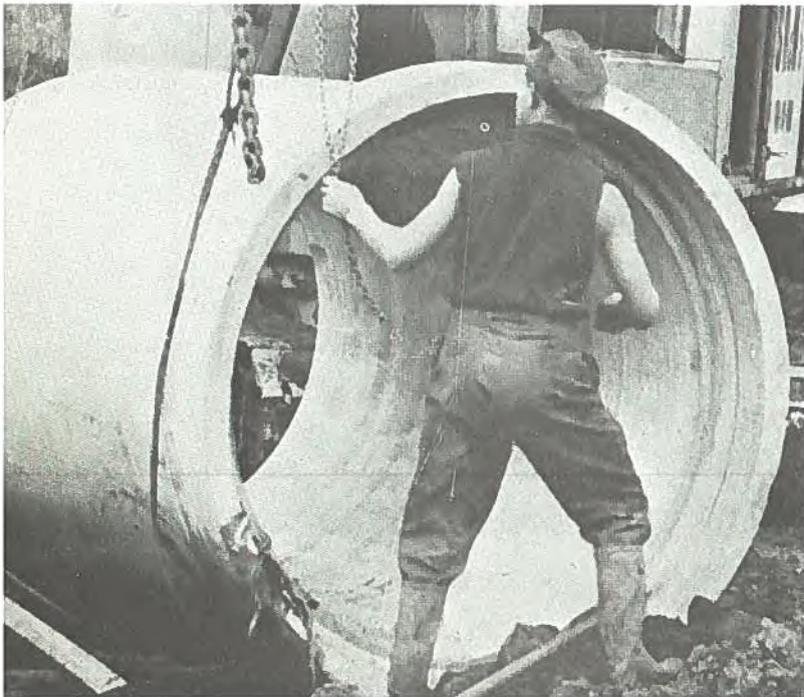
A new series of odourless and chemically stable fungicides for materials such as cotton, rayon, jute, paper and other wood products. Their fungicidal activity and resistance to water leaching compares favourably with the treating agents in common use. Production of the chemicals, and their application to the fibres or fabrics, etc., would appear to be easily carried out in conventional equipment.



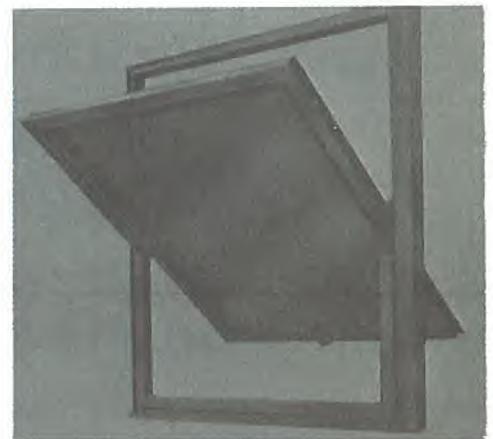
Item 2216 — PLASTILINE — Concrete Pipeline Protection  
Article 2216 — PLASTILINE — Paroi en béton pour pipe-lines



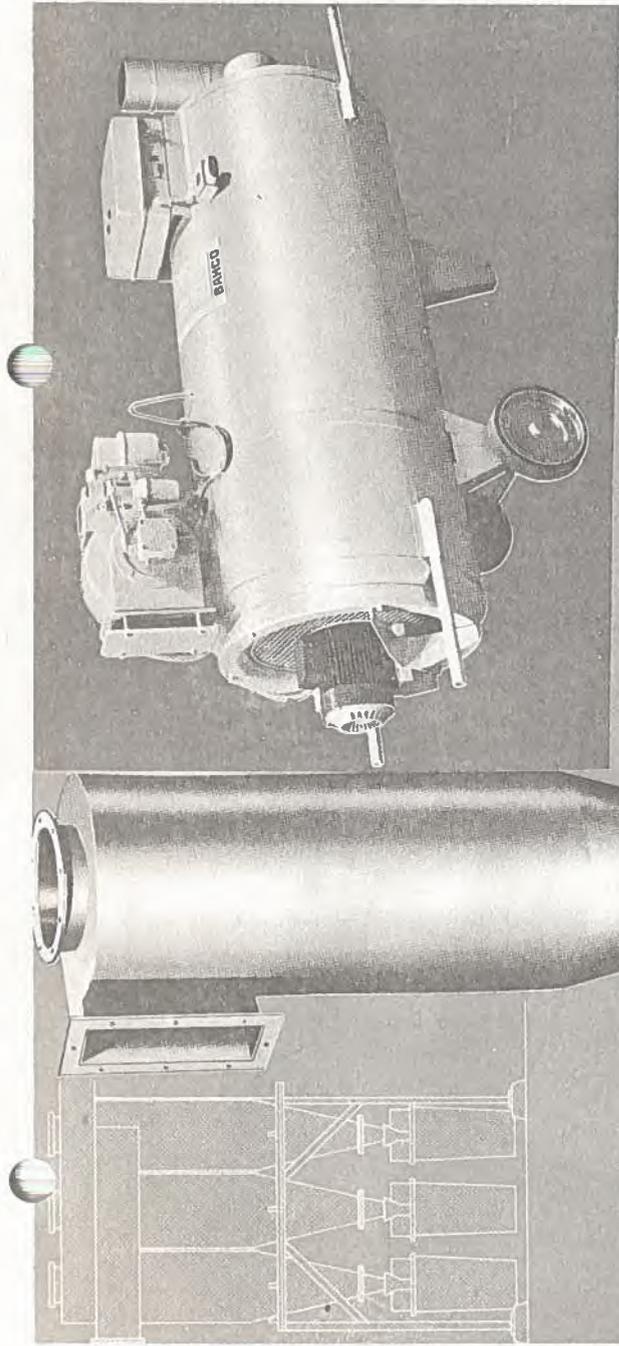
Item 2220 — Pivot Arm  
Article 2220 — Bras pivotant



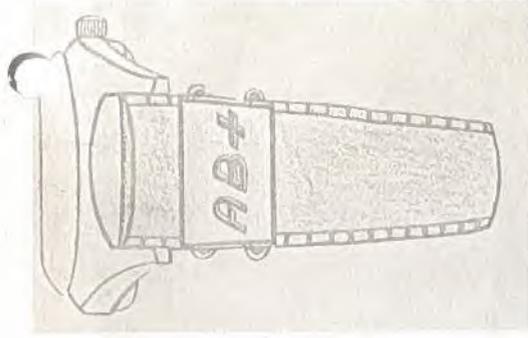
Item 2225 — Concrete Pipe  
Article 2225 — Tuyau en béton



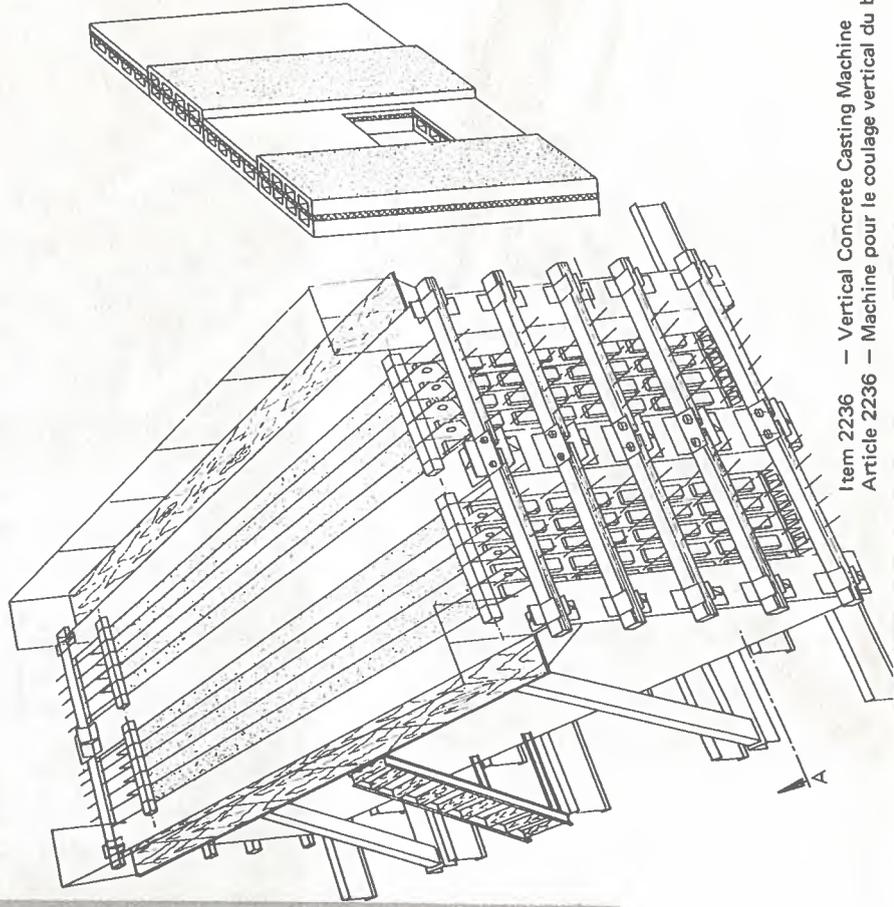
Item 2219 — PVC Window & Door Frames  
Article 2219 — Châssis de fenêtre et de porte CPV



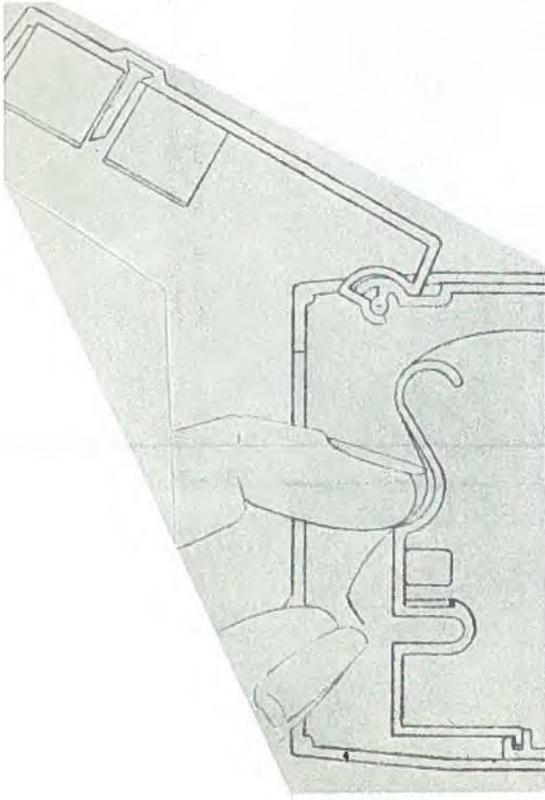
Item 2228 — Ventilation and Heating Equipment  
 Article 2228 — Matériel de ventilation et de chauffage



Item 2231 — Blood Group Identity Tag  
 Article 2231 — Plaquette pour montre-bracelet portant l'identité du groupe sanguin



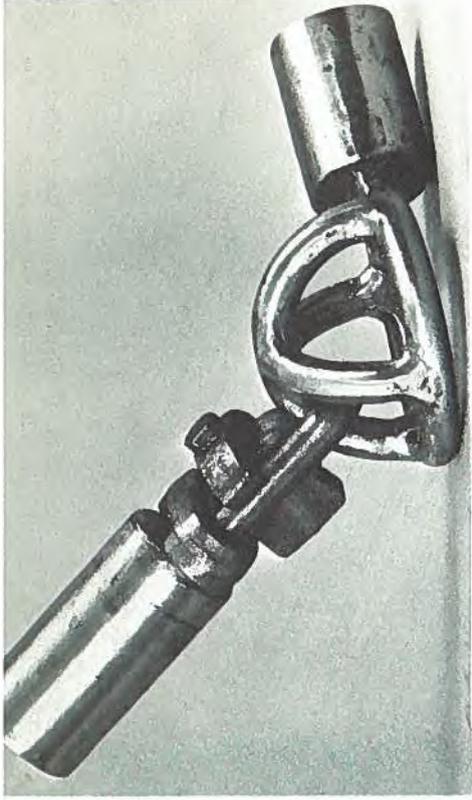
Item 2236 — Vertical Concrete Casting Machine  
 Article 2236 — Machine pour le coulage vertical du béton



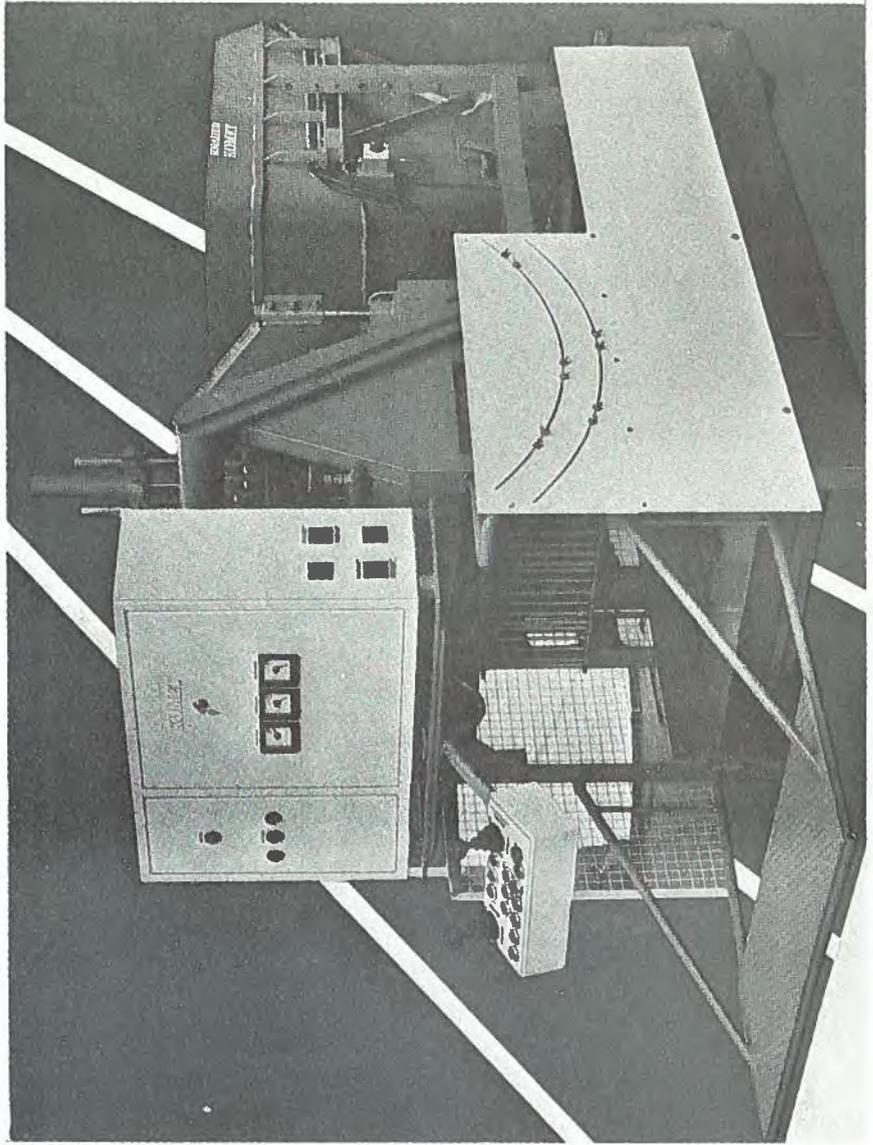
Item 2235 — Household Wrap Dispenser  
Article 2235 — Distributeur de papier cellophane



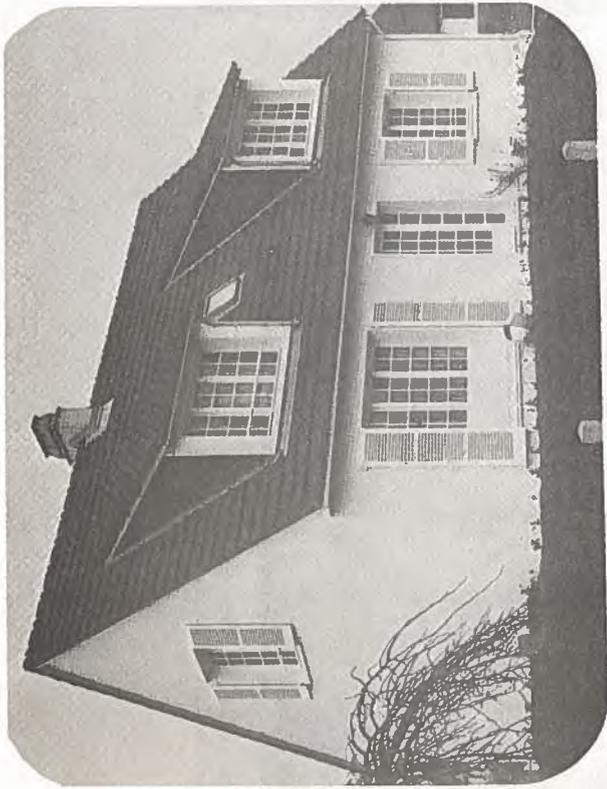
Item 2232 — Smoking Pipe  
Article 2232 — Pipe (à filtre spécial!)



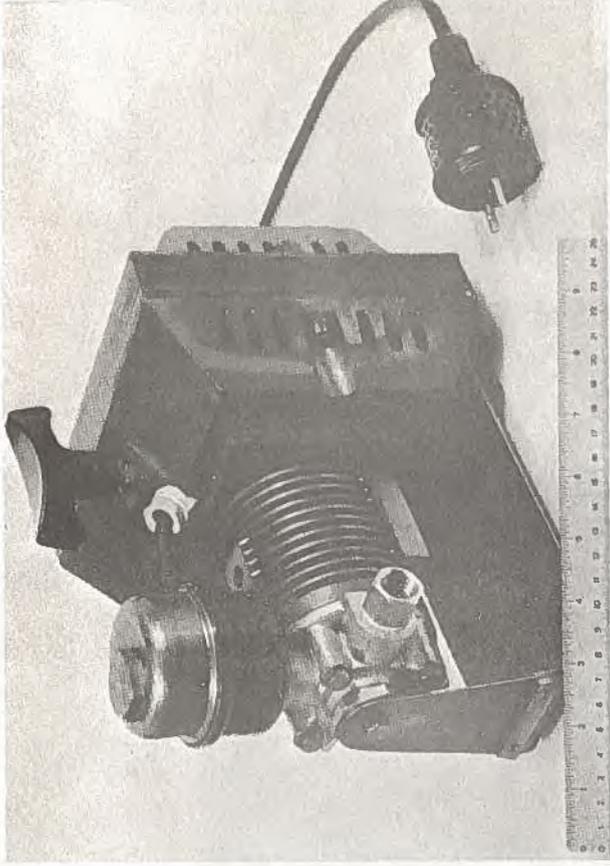
Item 2218 — Geodetic Joint and Space Frame System  
Article 2218 — Système de charpente en fermes et à joints géodésiques



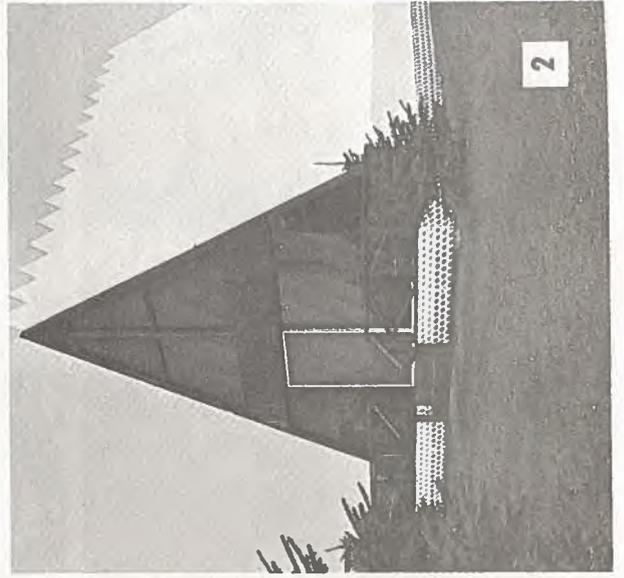
Item 2226 — Concrete Block Machines  
Article 2226 — Machines à fabriquer des blocs en béton



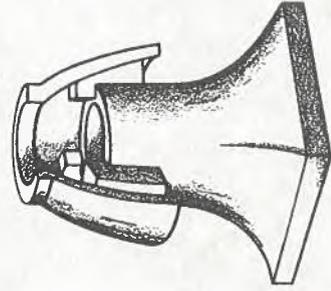
Item 2234 — Method of Building Construction  
Article 2234 — Méthode de construction de maisons



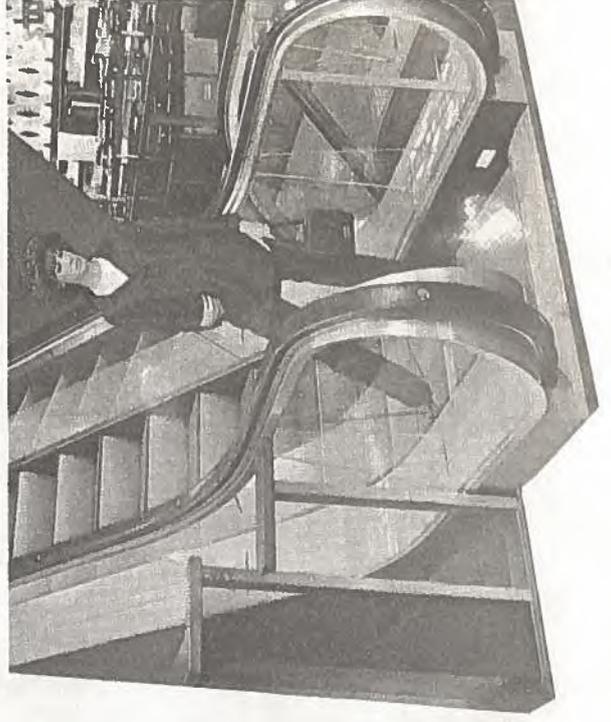
Item 2222 — Motor for Pumps and Compressors  
Article 2222 — Moteur de pompes et compresseurs



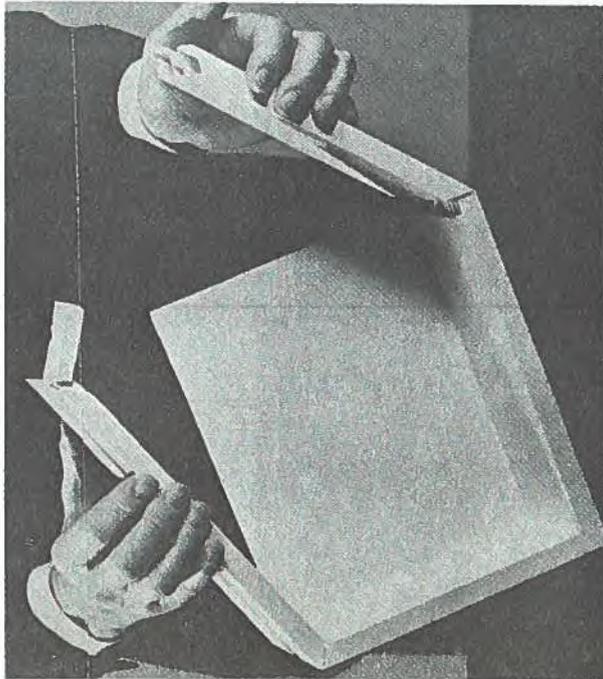
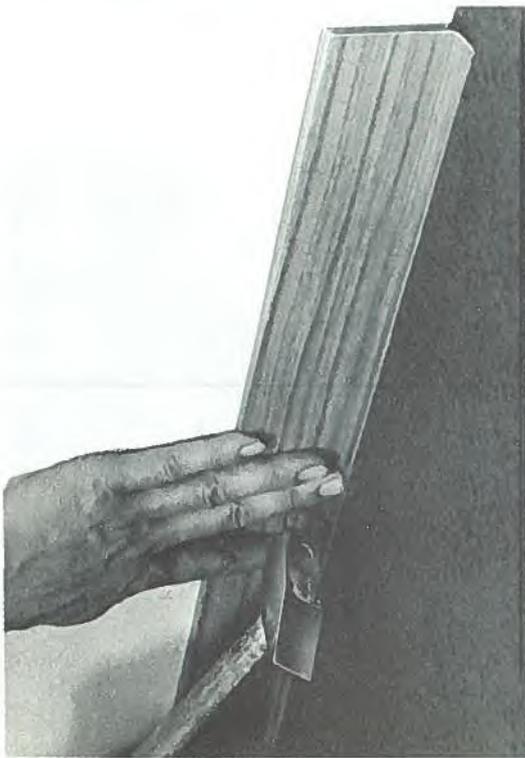
Item 2229 — Prefabricated Low-Cost Homes



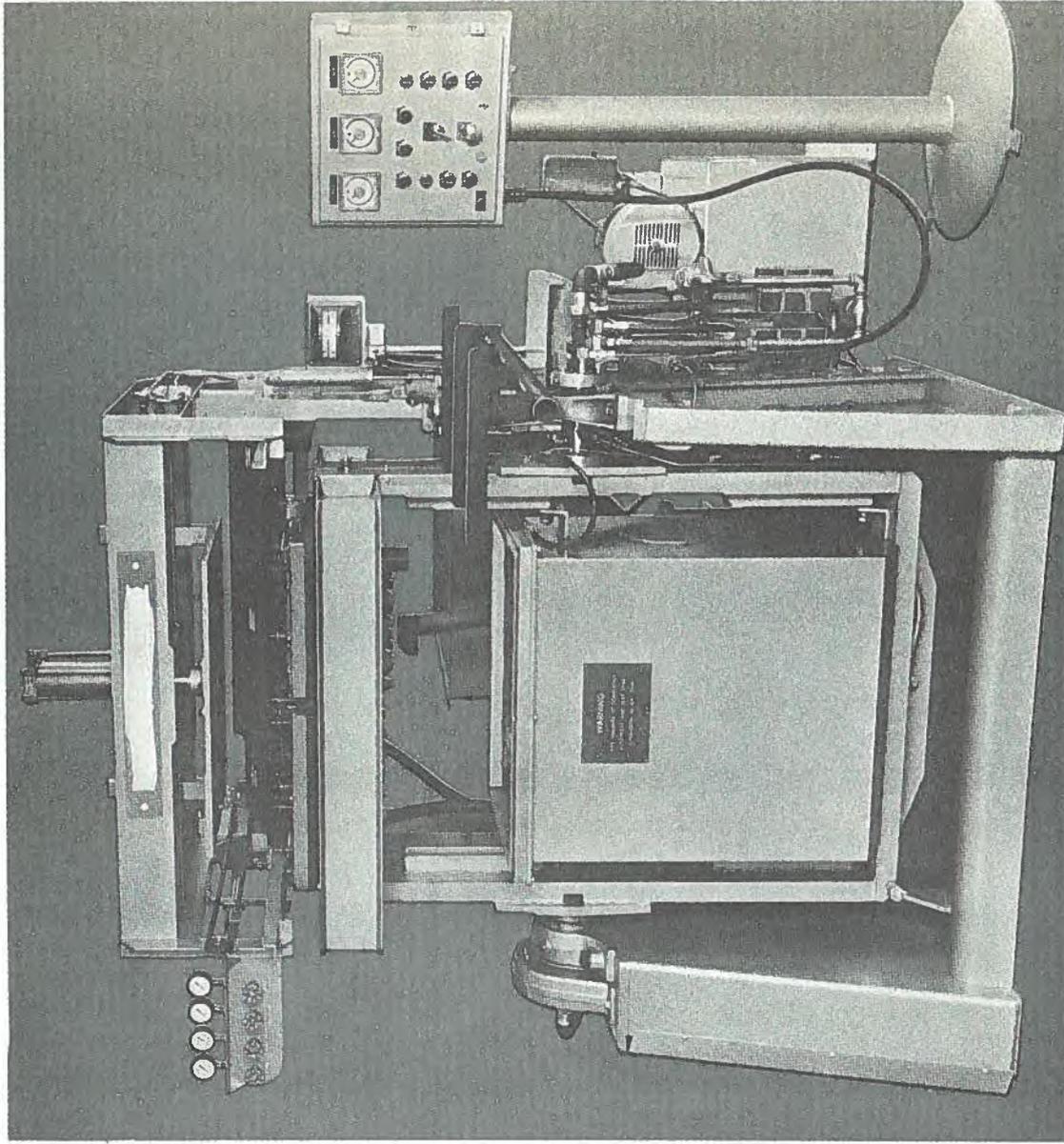
Item 2217 — Chimney Top  
Article 2217 — Capuchon de cheminée



Item 2227 — Escalators  
Article 2227 — Escaliers mécaniques



Item 2224 — Plastic Extrusion Process  
Article 2224 — Procédé de fabrication, par extrusion, de pièces en plastique



Item 2230 — Shell Core Mould Production Machinery  
Article 2230 — Machines pour la production de noyau de moule de fonderie