

# 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 173

INDUSTRIE, SCIENCE AND  
TECHNOLOGY CANADA  
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**Powered Axle Trailer**

**Item 2198**

British firm is seeking a licensing arrangement with a Canadian firm to produce and market its powered axle trailer for use with cross country 4 wheel drive vehicles. The unit is a normal trailer to all outward appearances, but drive for the unit is taken from the towing vehicle through a series of articulated joints, giving in effect a flexible 6 wheel drive vehicle. Use of the trailer enables a normal light 4 wheel drive vehicle to carry additional loads of up to 1 1/4 tons and still maintain or better the cross country performance of the vehicle on its own. Interested licensees would likely be established in the automotive field in Canada. Licensor will supply technical know-how and parts if necessary. Literature available. See illustration.

**Farm Implement Carrier**

**Item 2199**

American inventor offers for sale or license the Canadian production and marketing rights for his patented hydraulic load carrier designed to provide highway mobility for agricultural implements. In operation, the carrier is manoeuvred over the implement by the towing vehicle, the implement is secured to the lift frame by chains, and then it is lifted into the transport position by hydraulic hand pumps or the hydraulic system of the towing vehicle. This device has not been previously licensed or manufactured. Licensee will provide technical assistance and information. Literature available. See illustration.

**Incinerator for Sewage Sludge and Refuse**

**Item 2200**

Swiss firm offers under license the Canadian manufacturing and Canadian and American marketing rights for a new type of incineration for sewage sludge and refuse. In this process the garbage and sewage sludge are combined and the heat generated by the incineration of the garbage is used to dry and burn up the wet sewage sludge. The chief advantage of this process is that it uses a shaft kiln which is small, inexpensive and requires no expensive additional machinery. Licensee should have metal fabricating and welding facilities. Literature available. See illustration.

**Industrial Building System****Item 2201**

Swiss firm offers under license Canadian production and marketing rights for its system of industrialized building for schools, dwellings, hospitals, offices, etc. It is an open cell system of modules in prestressed concrete consisting of a ribbed floor panel and two end-frames machine-joined by a patented process with tolerances of 1/16 of an inch. The module is 90% finished on assembly lines, including all utilities and glazing. The only work remaining to be done on the site is that of closing the joints and coupling the utility runs. Licensor will provide patents, know-how, drawings and technical information. Licensee should have factory facilities and some technical experience in construction. Literature available. See illustration.

**Low Cost Housing System****Item 2202**

American company is interested in a joint venture with a Canadian firm in the areas of manufacturing and marketing building systems for low cost housing, vacation homes, etc. The two main components of the system are a tetrahedral steel space lattice which supports the living area modules and a fiberglass reinforced plastic shell structure (module) which encloses the living spaces. The system is open-ended and has unlimited horizontal and vertical growth potential. The product is presently in the research and development phase. Literature available. See illustration.

**Packaging Machine****Item 2203**

American firm offers under license Canadian production and marketing rights (with possible marketing rights in France and South Africa) for its packaging machine. This machine produces a stand-up, bottle-like container from a roll of packaging film and fills the container. It is claimed that this machine seals the container at less cost than producing a conventional empty bottle alone and that the new method uses less material for equal volume and the finished product has a much lower shipping weight. Literature available. See illustration.

**Shunt-Wound D.C. Motors****Item 2204**

Swiss firm is seeking a licensing arrangement with a Canadian firm to produce and market its newly designed series of shunt-wound D.C. motors for electronic controls. The design is such that jerkiness and sparking are virtually eliminated over a large speed range including very low speeds. Licensor offers drawings and technical information, and factory design. Literature available. See illustration.

**Heating Equipment****Item 2205**

German firm is seeking a licensing arrangement with a Canadian company to produce and market its line of equipment for the heating engineering industry. This includes such items as water circulation pumps, servo-motors, mixing controls, expansion tanks, centralized boiler control units, gravity brakes and regulation equipment. The two main advantages of this equipment are easier installation and faster operation. Literature available.

**Apparatus for Cooling, Drying or Heating Granular or Powdery Material****Item 2206**

British inventor offers for license the Canadian production and marketing rights for apparatus for cooling, drying or heating material in granular or powder form. The areas of application include drying foundry sand and cooling materials from temperatures of up to 300°F. This automatic plant separates the granules and exposes them to an air stream which is heated only sufficiently to dry off excess moisture. The plant employs a simple feed chute with no moving parts, which prevents clogging or back-flow of the material into the air fan, and is claimed to be capable of processing 2 1/2 tons of foundry sand per hour. The licensee should have contacts in the foundry industry or other industries where granular material must be dried or cooled. It would also be advantageous if the firm had centrifugal fan makers or heating and ventilating engineers as well as light gauge metal folding machines and welding facilities. The licensor would provide technical information, drawings, and, if necessary, sections of the unit. Literature available.

**Conveyor****Item 2207**

Swiss firm offers under license the Canadian production and marketing rights for its conveyor to move light hanging goods. It is designed for use mainly in dry cleaning stores and plants, and in garment manufacturing plants; and can be used as an assembling conveyor or as a distributing conveyor, with up to 20 discharge points. Its chief advantages are its low cost, ease of assembly and flexible layout. Licensor will provide all technical information and drawings and any parts that are not locally available. Literature available. See illustration.

**Board Coatings****Item 2208**

American company is seeking a licensing arrangement with a firm in Western Canada for the production of their board coatings. This arrangement would include the production of clay-coated folding boxboards and polyethylene extrusion coating of various substrates such as paper, board, cloth, etc., primarily for use in the packaging field. Licensor would provide engineering, technical and marketing assistance according to the particular licensing agreement arranged. Ideally, licensee would be established in or just entering into the coating field. Literature available.

**Coat Hanger****Item 2209**

Unites States inventor offers for manufacture under license a new type of coat hanger offering the advantage of a removable bar. The bar may be easily removed from the hanger without disturbing the coat, then after placing the trousers or shirt on the bar, it can be replaced in the hanger without removing the coat or taking the hanger off the hook. Literature available. See illustration.

**Watchband****Item 2210**

French firm offers for license the Canadian manufacturing rights for its expansion watchbands. One model incorporates the watch in the stainless steel strap which adjusts to a wide range of sizes and can be worn over clothing. It would likely appeal to the sports minded. The other model is an expansion bracelet of gold plated stainless steel which is claimed to be unbreakable, resistant to sea-water, and said not to pinch hairs or fray cuffs. Literature available. See illustrations.

**Mixing Valve for Liquids****Item 2211**

Swiss inventor is seeking a licensing arrangement with a Canadian firm to produce and market on a worldwide basis a mixing valve for hot and cold water or other liquids. The combination of the mixture and the quantity of running water is controlled by one handle only. The fittings are especially constructed to ensure watertightness. Literature available. See illustration.

**Multi-Use Scissors****Item 2212**

Swiss inventor offers under license the Canadian manufacturing and worldwide marketing rights for a pair of very light self-sharpening scissors which are adaptable to left or right handed use and are insulated up to 10,000 V. They could be used in industry or in the household, and there is a special model for medical and hospital use. Licensor would provide know-how, tools, tempering furnaces and special machinery. Literature available. See illustration.

**Fruit Squeezer****Item 2213**

Swiss inventor offers for license the Canadian production and worldwide marketing rights for a fruit squeezer designed especially for citrus fruits. This apparatus gives controlled squeezing and eliminates messy hands and clothing; it is suitable for household, restaurant and hotel use. This item has not yet been commercially produced but licensor would provide technical information, necessary tools, and some advertising literature. Literature available. See illustration.

**Illuminated Icicles for Decorations****Item 2214**

Canadian inventor offers under license the production and marketing rights for an aesthetically designed patented plastic icicle with electrical illumination that can be used for indoor or outdoor decorations in all climates. The icicles can be manufactured singly or in multiple arrangements of various lengths or designs and can have their own light source or use existing standard or ultra-violet light fixtures. Licensor would provide know-how and technical information. Literature available. See illustration.

**Book Racks****Item 2215**

American inventor specializing in originating new gift items is seeking a Canadian manufacturer to produce and market, on a worldwide basis, book racks. Interested licensee would probably be a wood working or cabinet manufacturer. This product has not been previously commercially produced. 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>
Bathroom Scale	Jan. 6/70	831,404
Interlocking Wall Construction	Feb. 17/70	834,408
Cutting Tool	Feb. 17/70	834,425
Roof Supports for Mine Workings	Feb. 17/70	834,435
Arrow Propelling Weapon	Feb. 17/70	834,501
Parking Brake for a Disk Brake	Feb. 17/70	834,547
Article Orienting and Feeding Mechanism	Feb. 17/70	834,553
Process for Solidifying Radioactive Wastes	Feb. 17/70	834,644
Metallurgical Vessel, Such as a Crucible or Converter	Feb. 17/70	834,652
Médicament nouveau constitué par un silicate double hydraté de magnésium et bismuth	Fév. 17/70	834,703
Precatalyzed Adhesive, and Utilizing of Plastic Strand Conveyor	Feb. 17/70	834,797
Compression Connector	Feb. 17/70	834,945
Sliced Circuitry	Feb. 17/70	834,994
Adjustable Height Bed	Feb. 24/70	835,005
Element for Assembling Wooden Panels	Feb. 24/70	835,017
Floor Sanding Machine with Controllable Motion	Feb. 24/70	835,043

Reinforced Grinding Wheels, Reinforcement Networks Therefor and Methods of Making Them	Feb. 24/70	835,045
Axial Tumbler Cylinder Lock with Pick Guard	Feb. 24/70	835,059
Instruments (Mechanical spindle)	Feb. 24/70	835,068
Etching of Glass Surfaces	Feb. 24/70	835,083
Window Frames	Feb. 24/70	835,109
Bulk Material Feeder	Feb. 24/70	835,179
Extraction and Purification of Tetracycline	Feb. 24/70	835,354
Cathodic Protection System	Feb. 24/70	835,369
Radiant Heating Device	Feb. 24/70	835,514
Roof Supports for Mine Workings	Mar. 3/70	835,634
Post Driver	Mar. 3/70	835,636
Static Balancer	Mar. 3/70	835,646
Cooling Device for Engine Exhaust Conduits	Mar. 3/70	835,681
Scanning and Recording Means for Detecting Radioactive Distributions	Mar. 3/70	835,791
Photography (Infrared stabilizer)	Mar. 3/70	835,894
Process for Forming a Tin Oxide Coating	Mar. 3/70	835,905
Plastic Wood Covered Laminate and Method and Apparatus for Manufacturing the Same	Mar. 3/70	835,927
Electro Magnetic Variable Reluctance Energy Converting Machines	Mar. 3/70	836,121
Electrochemical Cell	Mar. 3/70	836,128
Self Sustaining Tent	Mar. 10/70	836,294
Portable Sawmill Apparatus (Base frame, saw carriage, etc.)	Mar. 10/70	836,311
Wood Saws	Mar. 10/70	836,312
Slotted Retainer for Bolt Head	Mar. 10/70	836,315
Shielded Explosive Cutting Device	Mar. 10/70	836,319
Curling Hack Assembly	Mar. 10/70	836,394
Delaying Action Equalizer Valve	Mar. 10/70	836,414

Power Transmission for an Amphibious Vehicle	Mar. 10/70	836,415
Roller-Band Devices	Mar. 10/70	836,418
Antifriction Bearings	Mar. 10/70	836,419
Method of Forming Pellets from Finely Divided Metalliferous Solids	Mar. 10/70	836,456
Process of Treating Composite Boards with Borate Chemicals	Mar. 10/70	836,516
Thermosetting Composition Suitable for Forming Reinforced Laminates	Mar. 10/70	836,633
Method and Apparatus for Removing Impurity Gas Particles from a Particle Beam	Mar. 10/70	836,661
Method for Supplying Electricity to a Heat-Generating Pipe Utilizing Skin Effect of A.C.	Mar. 10/70	836,671
Method and Device for Detection of Ores and other Geological Formations	Mar. 10/70	836,703
Low Noise Interference Resistant Amplifier	Mar. 10/70	836,717
Capacitively Graded Modular Pothead for H-V Cable	Mar. 10/70	836,725

ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CASES TO:

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

**Shrink Proofing Wool**

**Case 4300**

An economical way of shrink proofing wool entailing a minimum of degradation. The stretch characteristics are improved and a certain degree of shaping may be obtained if desired. The process is carried out with standard textile machinery. The required chemicals are in common industrial use. There is some evidence of improved dyeing characteristics.

**Automatic Test Tube Rinser**

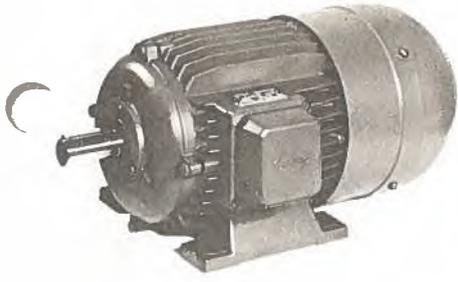
**Case 4464**

A simple machine for cleaning large numbers of test tubes, vials, ampoules, etc. The test tube holder is made of light, chemically resistant material which can be immersed in chromic acid, etc. During rinsing, running water also provides the small amount of mechanical power required. Easy to fabricate, and requires practically no attention to operate. Capacity of prototype - about 300 serological test tubes.

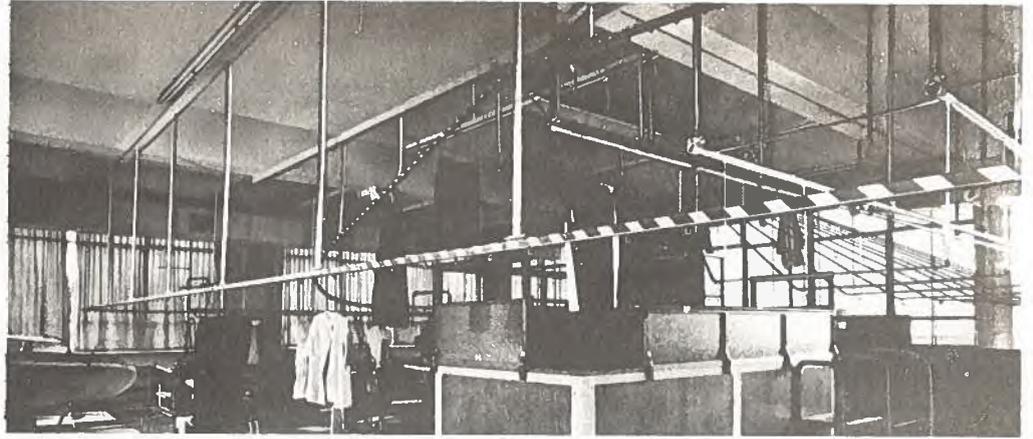
**Production of Frozen Eggs**

**Case 4538**

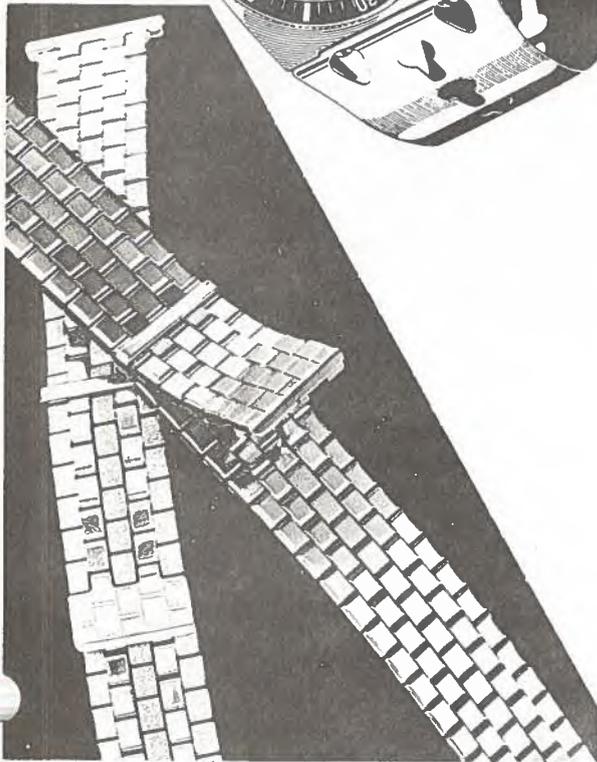
A new technique to produce frozen fresh egg particles which can be dispensed from the original container in the quantity desired. The product, of superior bacterial count, thaws evenly and relatively quickly. It can be made from homogenized whole egg, or the yolk and the white may be packed separately.



Item 2204 — Shunt-Wound D.C. Motors  
Article 2204 — Enroulement en dérivation



Item 2207 — Conveyor  
Article 2207 — Appareil transporteur



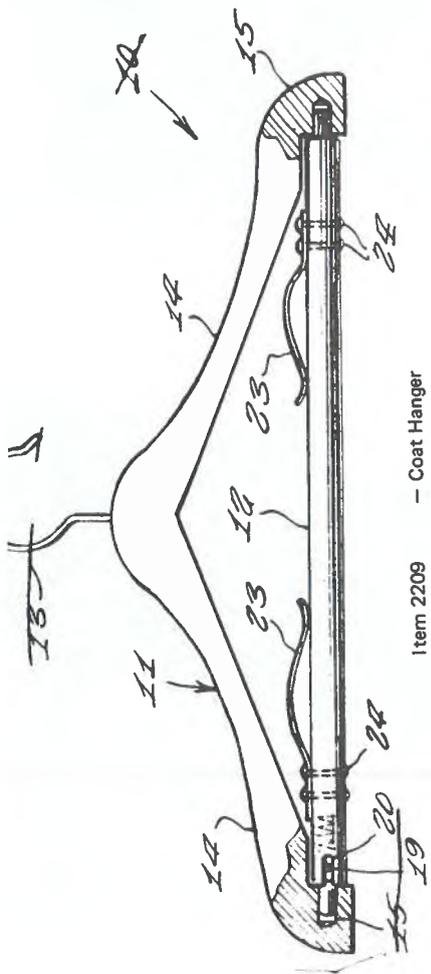
Item 2210 — Watchband  
Article 2210 — Bracelet de montre



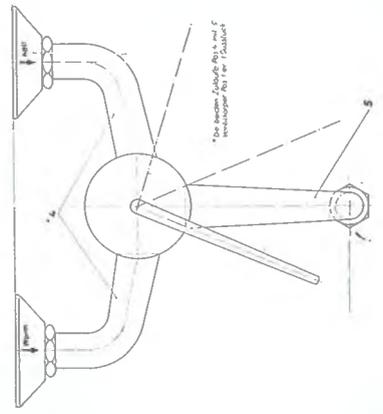
Item 2199 — Farm Implement Carrier  
Article 2199 — Transporteur d'instrument aratoire



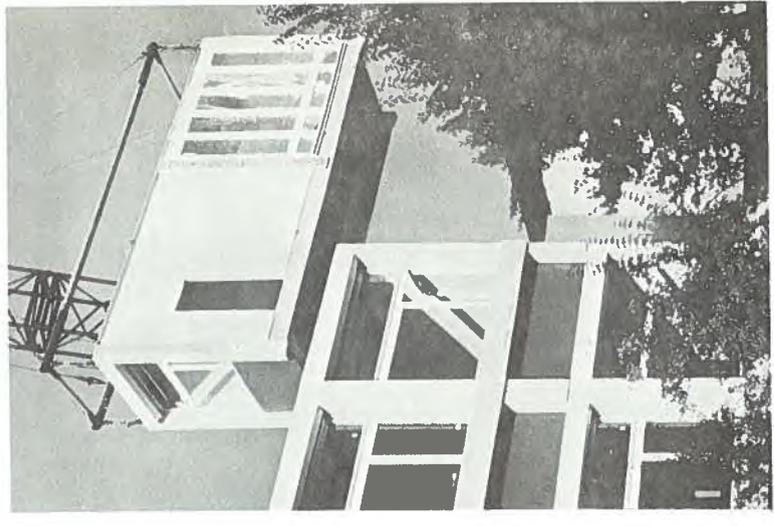
Item 2198 — Powered Axle Trailer  
Article 2198 — Remorque à essieu mécanique



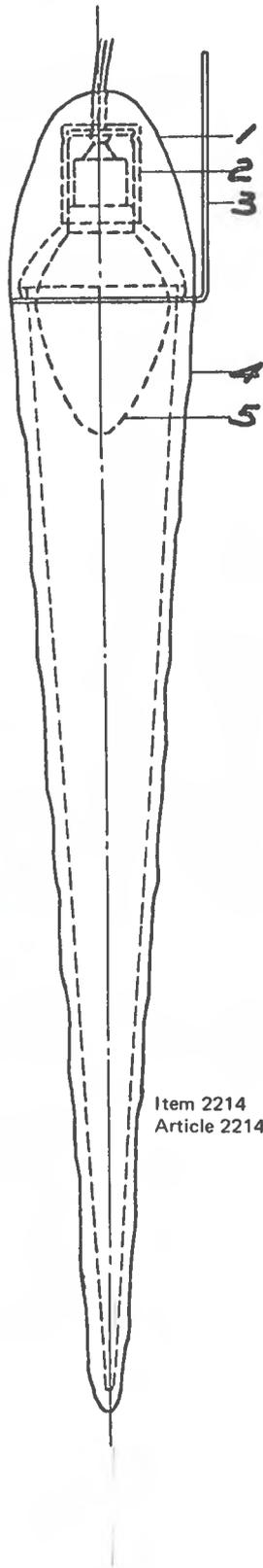
Item 2209 — Coat Hanger  
 Article 2209 — Cintre



Item 2211 — Mixing Valve for Liquids  
 Article 2211 — Robinet mélangeur

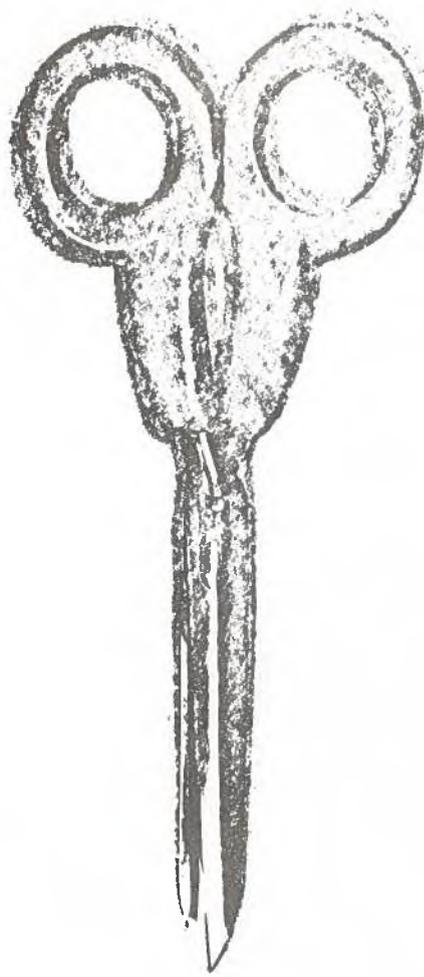


Item 2201 — Industrial Building System  
 Article 2201 — Système de construction (bâtiment)

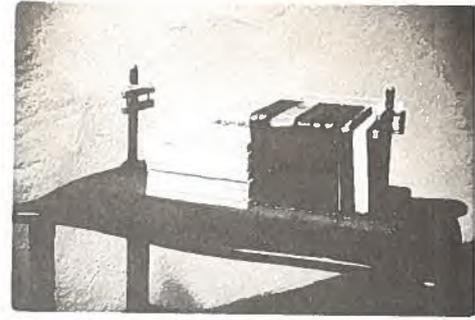


Item 2214  
Article 2214

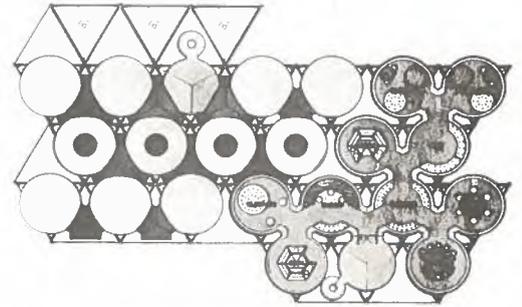
— Illuminated Icicles for Decorations  
— Glaçons illuminés pour décorations



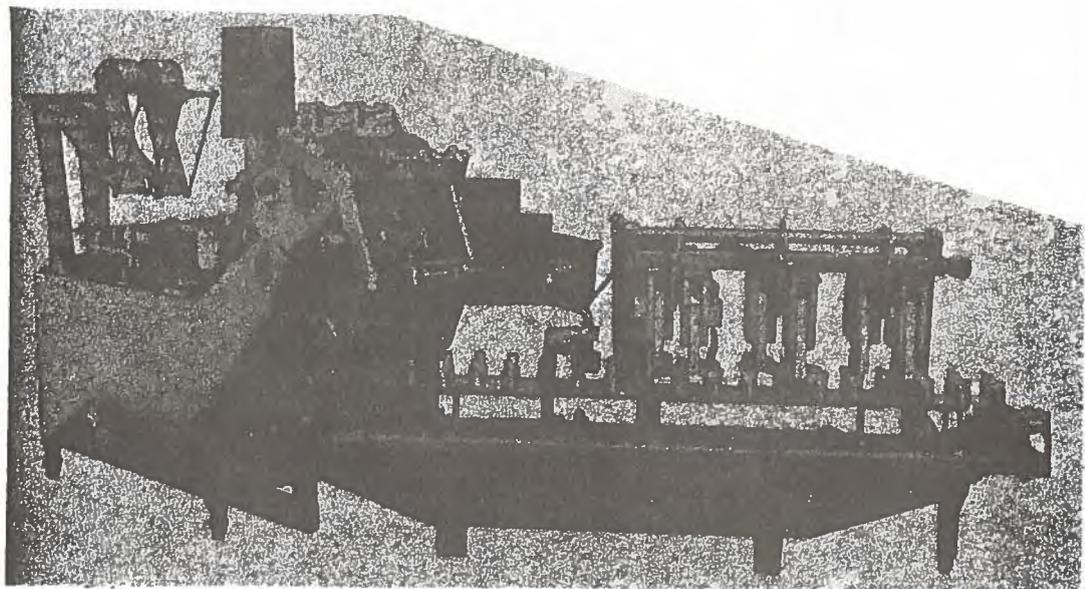
Item 2212 — Multi-Use Scissors  
Article 2212 — Sciseaux auto-aiguïsants



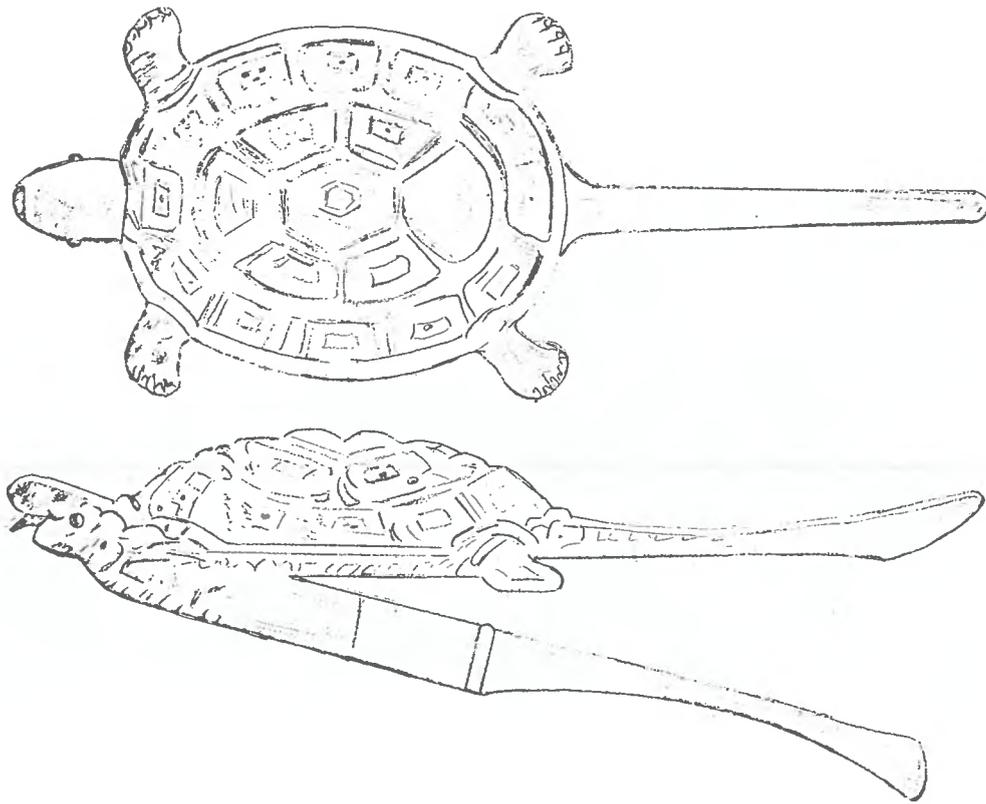
Item 2215 — Book Racks  
Article 2215 — Porte-livres



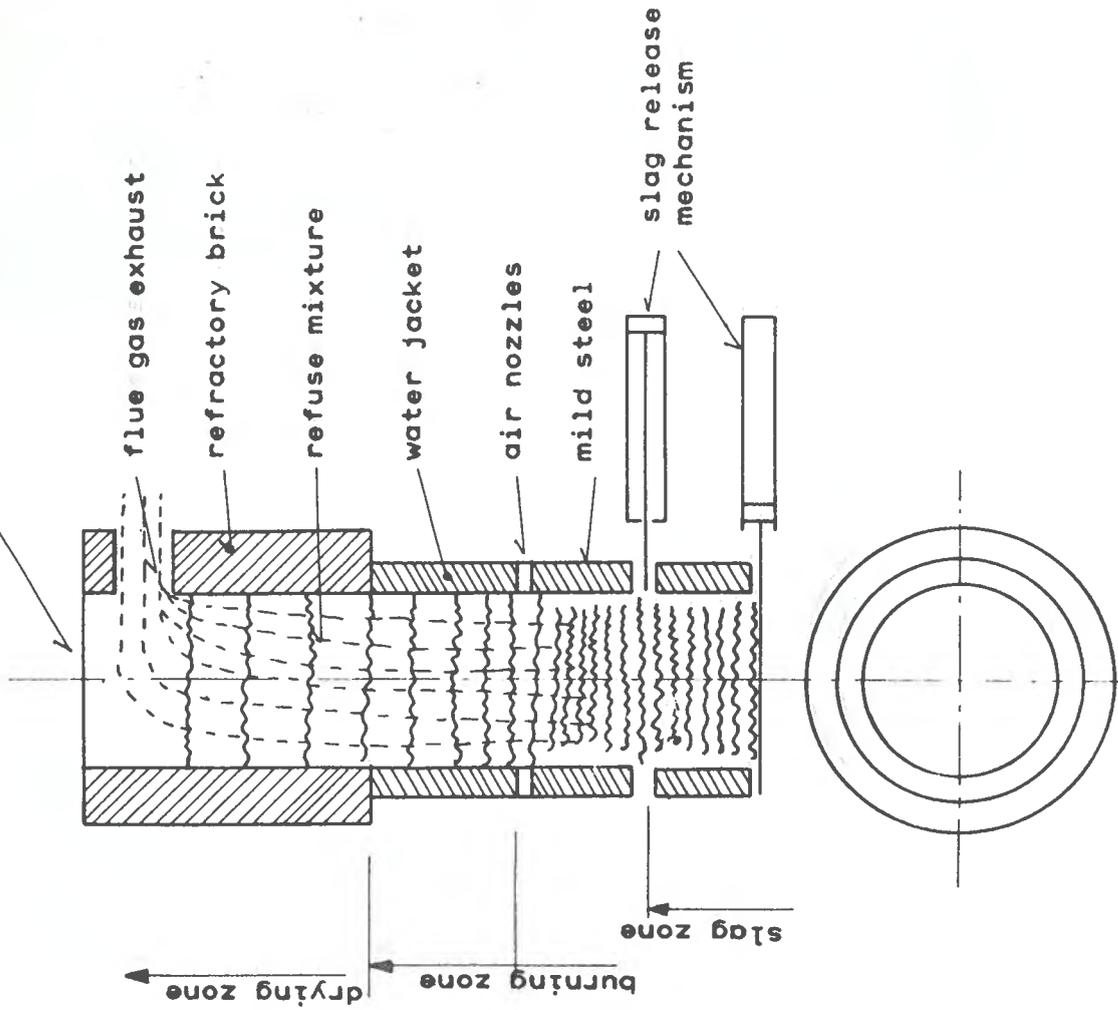
Item 2202 — Low Cost Housing System  
Article 2202 — Système d'habitations à prix modiques



Item 2203 — Packaging Machine  
Article 2203 — Machine à emballer



Item 2213 — Fruit Squeezer  
 Article 2213 — Presse-fruits



new, inexpensive, small,  
 simple, no danger

Item 2200 — Incinerator for Sewage Sludge and Refuse  
 Article 2200 — Incinérateur de fange et de rebuts