

new products bulletin

DEPARTMENT OF
CONSUMER & CORPORATE AFFAIRS



SEP 28 1972

MINISTÈRE DE LA

INDUSTRIAL AND TRADE ENQUIRIES DIVISION

DEPARTMENT OF INDUSTRY, TRADE AND COMMERCE
OTTAWA CANADA

OCT 27 1972

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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, Canada K1A 0H5
Tel: 992-4441, Area Code 613

BULLETIN 201

SCIENCE AND
TECHNOLOGY CANADA
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SEPTEMBER 1972

Building Systems

AUG 13 1996

Item 2663

British company offers for manufacture under license in Canada its three systems of building construction. One system relates to single storey, steel framed, pitched roof industrial buildings. Designed to accept most types of roofing, wall cladding and insulation, fabrication can be carried out using standard structural steel fabricating equipment. A second system relates to low rise, multi-storey industrial buildings. These buildings feature a steel frame, precast concrete floors, steel deck built up roofing, dry partitions, and a wide range of types of light and heavy wall cladding. The third system covers steel and concrete buildings to 20 storeys. This system employs precast reinforced concrete columns together with steel floor and roof main beams, steel secondary beams, and concrete floor slabs. Literature available. See illustration.

Modular Construction System

Item 2664

American company offers under license the Canadian manufacturing rights to its system of modular construction. The system utilizes simple precast concrete components which can be produced in any concrete plant in the vicinity of the project. The system consists of three basic components: U-shaped service core modules, beams and floor/roof members. Enclosure wall panels can be of a wide variety of materials. Company claims that no temporary construction such as scaffolding is needed at the site because the components interlock in a precise manner. System finds optimum advantage when used in constructing high rise residential and office buildings, hospitals, hotels, and other multi-storey buildings. Literature available. See illustration.

P.V.C. Eavestroughing

Item 2665

German firm offers for license the Canadian manufacturing rights to its guttering, downpipes and fittings of special frost-resistant P.V.C. It is claimed to be flame resistant, unaffected by knocks and blows, and maintenance free since it is weatherproof and pigmented in attractive light grey. The pieces connect together on the spigot and socket principle, and need no soldering or bonding. Literature available. See illustration.

Hovercraft Pallet, Vacuum, Sports Vehicle

Item 2666

British company is offering a Canadian firm the rights to manufacture under license its pedestrian-operated hover pallet and heavy duty hover vacuum as well as its sports hovercraft. The pallet is a transport device designed to carry loads over surfaces unsuitable for conventional carts. Its all-fiberglass construction has only one moving part, the fan. Ideal for park cleaning, the heavy duty vacuum is similar to the pallet but with the addition of an intake nozzle and storage compartment. The sports hovercraft has a payload of 200 lbs., an obstacle clearance of 8 in., and an air speed of 25 knots. Literature available. See illustration.

Hydraulic Machines**Item 2667**

Swedish company is offering under license the Canadian manufacturing rights to its range of bent-axis, axial piston pumps and motors incorporating a unique spherical piston with an expanding, hydraulically balanced piston ring. This element permits simple construction of the machine with few moving parts and ensures high pressure and high rotation speed. These units are produced in six sizes of 5, 10, 19, 39, 78 and 150 cm³ per revolution. The principal field of application is the hydraulic market with particular reference to mobile, marine and industrial equipment. Literature available. See illustration.

Rubber Products**Item 2668**

British firm offers to Canadian manufacturers the know-how for formulating, mixing, moulding and curing natural and synthetic rubber. Company claims it has the necessary know-how to assist in the manufacture of practically every conceivable product which uses the engineering characteristics of modern elastomeric materials, particularly in the automotive, building construction, civil engineering and domestic appliance markets. Literature available.

Colour Television Camera**Item 2669**

Japanese company seeks Canadian licensee to produce its new colour television camera for closed circuit television applications. This camera comprises a single image pick-up tube with special strip filters and a unique processing circuit for separating composite colour signals obtained from the tube into respective colour signals of red, blue, and green. The camera is claimed to offer excellent picture quality with a horizontal resolution of above 300 lines, excellent mobility through application of a complete electronic system, super-miniature size, and solid construction. Literature available. See illustration.

Correction Lens for Colour Picture Tube**Item 2670**

Japanese company seeks a Canadian licensee to produce its advanced correction lens for colour picture tubes. The purpose of this new technique is to increase the deflection angle of a colour picture tube to shorten its overall length without loss of purity caused by landing errors between phosphor dots and electron beams. The surface of the newly developed lens is divided into several hundred segments and each segment has a surface inclination to obtain the exact refraction angle required for each corresponding portion of the phosphor screen. Such a lens is claimed to greatly improve beam landing characteristics. Literature available.

Electrostatic Spray Coatings**Item 2671**

Japanese company seeks a Canadian licensee to produce its line of powder coatings for electrostatic spraying. These powder coatings are of four main types. One series is based mainly on polyvinyl chloride resin and has good erosion, weathering, impact and abrasion resistance qualities. Another series is based mainly on epoxy resin and features good adhesion and resistance to erosion and chemicals. A third series is based on thermosetting polyester resin and has film properties corresponding to those of conventional aminoalkyd paints. The fourth series is based on thermosetting acrylic resin and offers film properties corresponding to those of the conventional thermosetting acrylic paints. These coatings are used mainly on steel and aluminum. Literature available.

Method of Making a Cathode-ray Tube**Item 2672**

Japanese company offers a licensing arrangement to a Canadian manufacturer covering its technique for making a cathode-ray tube. To eliminate oxidization or contamination of the surfaces of electrodes, the electron gun mount of the cathode-ray tube is treated with an acid etching solution before fixing the heaters and cathodes. The reason for this treatment is to eliminate momentary flashover and cold emission between the electrodes. Literature available.

Glow Discharge Tube for High Vapour Pressure Metal**Item 2673**

Japanese company offers under license the Canadian production rights to its glow discharge tube for high vapour pressure metal. Used in atomic absorption analysis, the glow discharge tube consists of a hollow cathode equipped with a skeleton made of high melting point metal fibers impregnated with the high vapour pressure metal to be analyzed. Impregnated metal atoms are continuously vapourized and fed to the hollow portion of the cathode through capillary action of the skeleton. This device is utilized for analysis of trace metal contents, particularly in food chemistry, biochemistry, and medical science. Literature available.

Glow Discharge Lamp for Low Melting Point Metal**Item 2674**

Japanese company offers under license the Canadian manufacturing rights to its glow discharge lamp for low melting point metal. Atomic absorption analysis has found extensive use in such fields as medical science, biochemistry, etc., since it is suitable for analyzing trace metal contents in samples. The heart of the atomic absorption analyzer is its glow discharge tube which is required to produce spectral lines of high intensities. In this tube, a hollow cathode of unique construction is used which contains a lamp of the low melting point metal. Advantages claimed include an increase in analytical accuracy and ease of production. Literature available.

Hollow Cathode Discharge Tube**Item 2675**

Japanese company offers under license the Canadian production rights to its hollow cathode discharge tube. This new development makes it possible to perform absorption spectrophotometry for low melting point metals, thus eliminating the former problems of oxidization and ignition. As an atomic absorption analyzer, it can be used to analyze all metal elements in the food chemical, petrochemical, metallurgic, and nonmetallic industries. Literature available.

High-Voltage Regulation System**Item 2676**

Japanese company is seeking a licensing arrangement with a Canadian firm to produce its new high-voltage regulation system for use in completely solid-state colour television receivers, video tape recorders, etc. in which high-voltage stabilization is required. The claimed advantages of this system over others is its low cost production, its high safety and long life due to the elimination of the shunt regulator tube, and its ability to decrease power consumption. Literature available.

Thermosetting Rubber-like Resin**Item 2677**

Japanese company offers under license, the Canadian production rights to a rubber-like polyester resin. This product is claimed to have excellent electrical, physical and chemical properties. Suggested applications include coil impregnation for refrigerator fan motors or underwater motors, castings for colour TV rectification blocks and flyback transformers, castings for underwater devices. Literature available.

Latent Hardening Epoxy Resins**Item 2678**

Japanese company is interested in a licensing arrangement with a Canadian firm for the production of its latent hardening epoxy resins. The claimed advantages of this product are its long pot life (up to ten times longer than conventional epoxy resin compositions), its fast hardening properties and easy preparation. These resins should be of particular interest to companies which encapsulate electronic units such as semi-conductor devices or which impregnate coils and similar items. Literature available.

Silicon Transistor**Item 2679**

Japanese company offers a manufacturing arrangement under license to produce in Canada its low temperature passivated silicon transistors. These transistors are claimed to greatly improve the performance of acoustic equipment such as high fidelity stereophonic sound systems and tape recorders. Outstanding characteristics include a low noise figure and high amplification factor at low current level. Literature available.

Particle Size Analyzer**Item 2680**

Japanese company offers under license the Canadian production rights to its particle size analyzer of the photo-scanning type. This device is claimed to measure particle size distribution in a short period of time with higher accuracy than conventional particle size analyzers. The optical system is specially designed so that the thin light beams repeatedly scan a suspension cell from the bottom to the top. Being able to effectively measure the particle size distribution of raw materials, it plays an important role in determining the characteristics and quality of products such as ceramics, pharmaceuticals, cosmetics, pigments, cements, glass, etc. Literature available. See illustration.

Bearing for Traction Motors**Item 2681**

Japanese company offers under license the Canadian manufacturing rights to its packed type bearing for traction motors. This bearing has been developed to facilitate maintenance and to lengthen the periods between bearing lubrication. By improving the sealing method to completely eliminate the entry of dusty air, the life of this bearing is claimed to be at least double that of a conventional bearing. The features of this development can be applied to any conventional bearing, and are especially effective on bearings used at high speeds. Literature available.

Vertical Universal Measuring Bench**Item 2682**

Luxembourg agency offers to Canadian companies a license to produce a vertical universal measuring bench. This equipment, the motions of which are fully automatic and infinitely variable, can be used for comprehensive symmetry measurements on long cylindrical parts. Material and surface defects can be readily detected on this bench with the aid of x-radiography or ultrasonic testing. In addition, the bench enables tube wall thicknesses to be determined easily and as frequently as desired. Literature available. See illustration.

Heavy-duty Step-by-step Motors**Item 2683**

French firm is offering the rights for manufacturing under license in Canada its heavy-duty step-by-step motors which permit control of the entire incremental system from numerical data. Theoretically, this system has no limitations. 250 W, 500 W and 1 KW models are being sold commercially, and another (SKW) model soon will be according to the company. This equipment would replace electro-hydraulic step-by-step motors in the various heavy industries and in the fields of large, numerically-controlled machine-tools and armaments (aiming of cannons and rockets and steering of submarines). Literature available.

Automatic Chip Vendor**Item 2684**

French company is offering the rights for manufacturing its automatic chip vendor under license in Canada. This machine uses raw potato slices and produces a portion of well-cooked, golden-brown chips in less than 60 seconds. The chips emerge in a small container which appears and catches them at the right moment behind a small, transparent, lighted door. Also, an electric pump ejects salt to suit the consumer's taste. Literature available.

Security and Control Devices for Elevators**Item 2685**

American firm offers under license the Canadian manufacturing rights to its security and control devices for elevators. One device, upon activation, overrides the normal controls and recalls all the elevators of a group to a desired location. On arrival at such location the elevator doors can be prevented from opening until specifically initiated by surveillance personnel. Individual elevators can then be released from control for express service to any desired floor. Applications for such a system include such emergencies as commission of a felony, fire, or, in a hospital, need for emergency treatment or supplies. Another device restricts the use of elevators, outside normal operating time, to authorized persons in possession of a combination. An alarm sounds in case of unauthorized entry. Literature available.

Solid State Tester**Item 2686**

Canadian inventor offers under license the Canadian manufacturing rights for his solid state transistor/diode tester and identifier. This device is designed for testing all bipolar transistors (or diodes) and indicates PNP or NPN good or bad from 50 MW to 50 W. It also incorporates an efficient new type of oscillator circuit which can be modified to be used as a logic probe, a tone generator, or a resistor change indicator. No major tooling is required to manufacture this item. Literature available.

Automotive Dual-Light System**Item 2687**

American firm offers under license the Canadian manufacturing rights to its dual-light equipment for automobiles and other vehicles. This unit, designed for simple and quick installation, provides a substitute system of headlights and taillights when a failure occurs in the regular lighting system of the vehicle. The dual-light unit monitors the operation of the lights, senses and indicates partial to total failure and turns on the substitute system. Since this unit employs the idle lights of the regular system no additional lights need be added to the vehicle. The device is claimed to fit all domestic vehicles — 1958 to and including current models — and to be readily adaptable to foreign vehicles. Literature available. See illustration.

Shoe Brush Attachment for Automobiles**Item 2688**

Canadian inventor seeks a licensing arrangement with a Canadian firm to produce his shoe brush attachment for installation on automobiles. The device is designed to provide for the rapid cleaning of shoes and overshoes of passengers on entering a car. Made of circular brushes, the device consists of a telescopic shaft attached to the external bottom of the door and at the other end to a cylinder under the car. When the door is opened the brush appears ready for use; when closed the brush is returned to its cylinder which protects it from dirt. The shoe brush can be motor driven or manually operated. Literature available.

Tackle Pouch**Item 2689**

American inventor offers the Canadian manufacturing rights to his tackle carrying pouch for sport fishermen. The leather pouch contains a compartmented plastic case for holding fishing tackle and other items. The pouch can be slung over the shoulder or hung around the waist. Several pouches can be attached together as required. This device eliminates the need for a separate tackle box and has the advantage of always being close at hand. Literature available. See illustration.

Laundry Ironer**Item 2690**

Danish company offers under license the Canadian manufacturing rights to its automatic laundry ironer. This domestic ironing machine weighs only 9 lbs. and is equipped with a detachable cylinder on which damp laundry is placed for drying and ironing. A maximum four-hour timer controls the ironing time. The machine's capacity is 8 lbs. of wash and usually 2 lbs. of damp laundry are dried in an hour. After loading the ironer and setting the timer, the housewife can leave the machine unattended. Literature available. See illustration.

Paint Roller**Item 2691**

Dutch firm is offering under license the Canadian manufacturing rights for its mechanical paint roller. This device features a plastic reservoir with a stirring mechanism, a changeable feeder and a paint roller. The parts can be set in motion individually and the paint supply can be regulated. The device can be used for painting floors, walls or ceilings. In addition to paint, it can be used for applying varnish, glue, plaster, cement, etc. Literature available. See illustration.

Telecommunications Technology**Item 2692**

British Government Agency is offering for manufacture under license in Canada its patented technology and technical know-how in the following fields of telecommunications: telephone, television, telegraph and digital, postal, general mechanical, general electrical or electronic, cable and cable laying, and radio. Additional information and a listing of the current Canadian patents which are offered for commercial exploitation in Canada is available.

ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CASES TO:

Canadian Patents and Development Limited,
275 Slater Street,
Ottawa, Canada
K1A 0R3

Melamine – Dicyandiamide-Base Resins**Case 4856**

A method of preparing stabilized aqueous solutions of phosphorylated melamine and dicyandiamide suitable for use as highly leach-resistant fire retardants for wood products and as an adhesive for wood particle-board. The treated wood retains its original appearance and its resistance to decay is increased.

Cardboard Desk**Case 4998**

An inexpensive, collapsible cardboard desk which comprises two folding pedestals and a separate, interconnecting top assembly. The three pieces lock together easily to form a sturdy, attractive desk for temporary use.

Low-Pass Line Interference Filter**Case 5210**

A filter that reduces RF and impulse interference on 115 V AC power lines. It absorbs rather than reflects power in its stop band and has no undesirable high-frequency pass bands. It is useful in solving interference problems where the elimination of multipath couplings and common ground impedances is more important than high attenuation at one point.

KNOW-HOW 1972

An international forum for innovation will be held November 6 – 12, 1972 at the Sjølyst Centre, Oslo, Norway. It is anticipated 4,000 – 5,000 manufacturing licenses and joint venture opportunities will be offered. A licensing seminar for visitors and participants has been arranged with discussions and a workshop session sponsored jointly by the Norwegian Chapter of Licensing Executives Society and the Norwegian Export School. Interested parties may obtain additional information from:

The Norwegian Trade Fair,
Drammensveien 154,
P.O. Box 130, Skoyen,
Oslo 2, Norway.

or the Commercial Secretary, Canadian Embassy, Postuttak, Oslo 1, Norway.

INTERNATIONAL EXHIBITION OF INVENTIONS AND NEW TECHNIQUES

An International Exhibition of Inventions and New Techniques will be held at the Palais des Expositions, Geneva, Switzerland from November 18 – 26, 1972. Company officials and private inventors concerned with the exploitation of patented inventions and wishing to participate in or visit this exhibition may obtain further details from:

Promex SA,
22 rue du Mont-Blanc,
1201 Geneva, Switzerland,
Tel. 022/32 15 22

or by contacting the Commercial Counsellor, Canadian Embassy, Kirchenfeldstrasse 88, 3000 Berne, Switzerland.



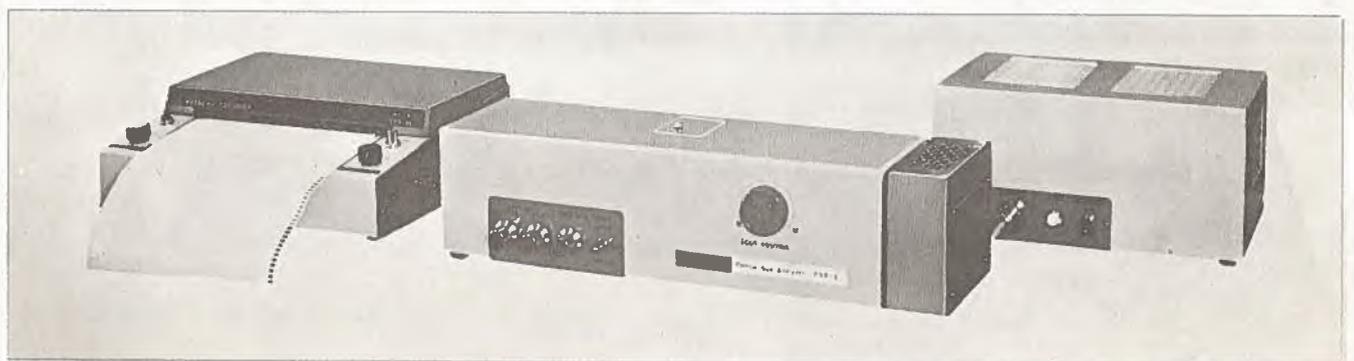
Item 2666 — Hovercraft Pallet, Vacuum, Sports Vehicle
Article 2666 — Aéroglisseur genres palette, aspirateur et sport



Item 2663 — Building Systems
Article 2663 — Systèmes de construction



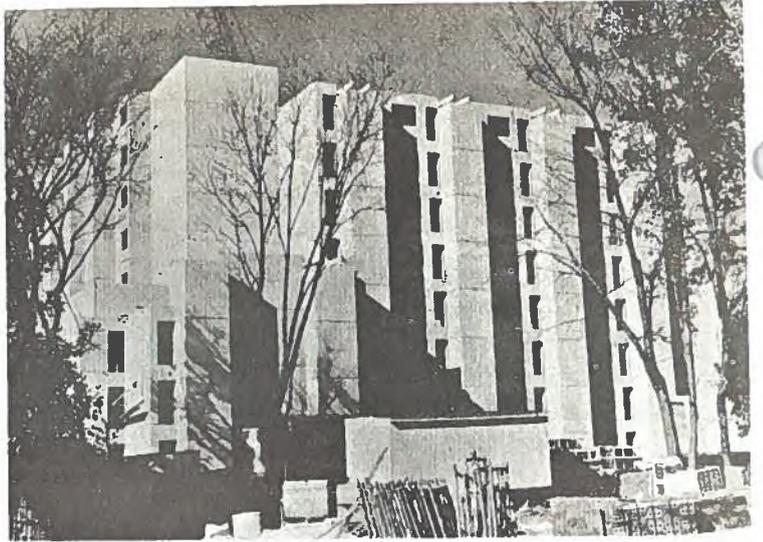
Item 2669 — Colour Television Camera
Article 2669 — Caméra de télévision en couleurs



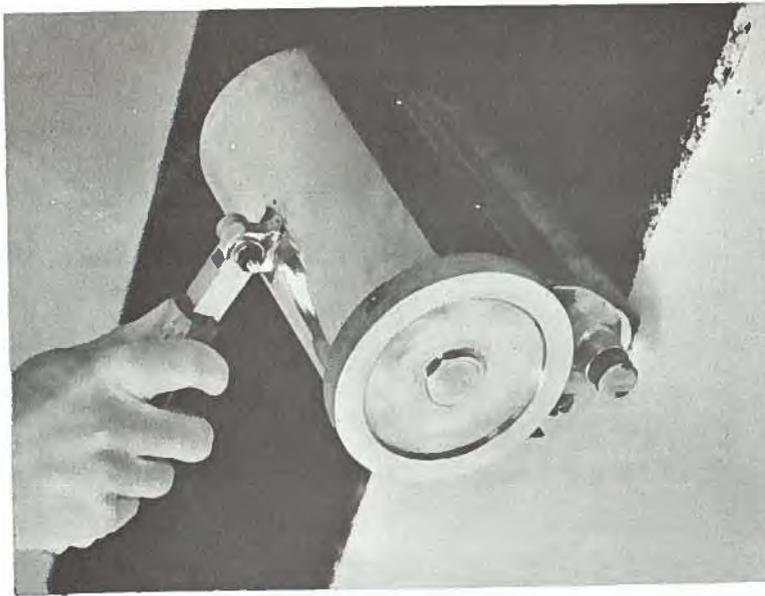
Item 2680 — Particle Size Analyzer
Article 2680 — Analyseur de dimensions de particules



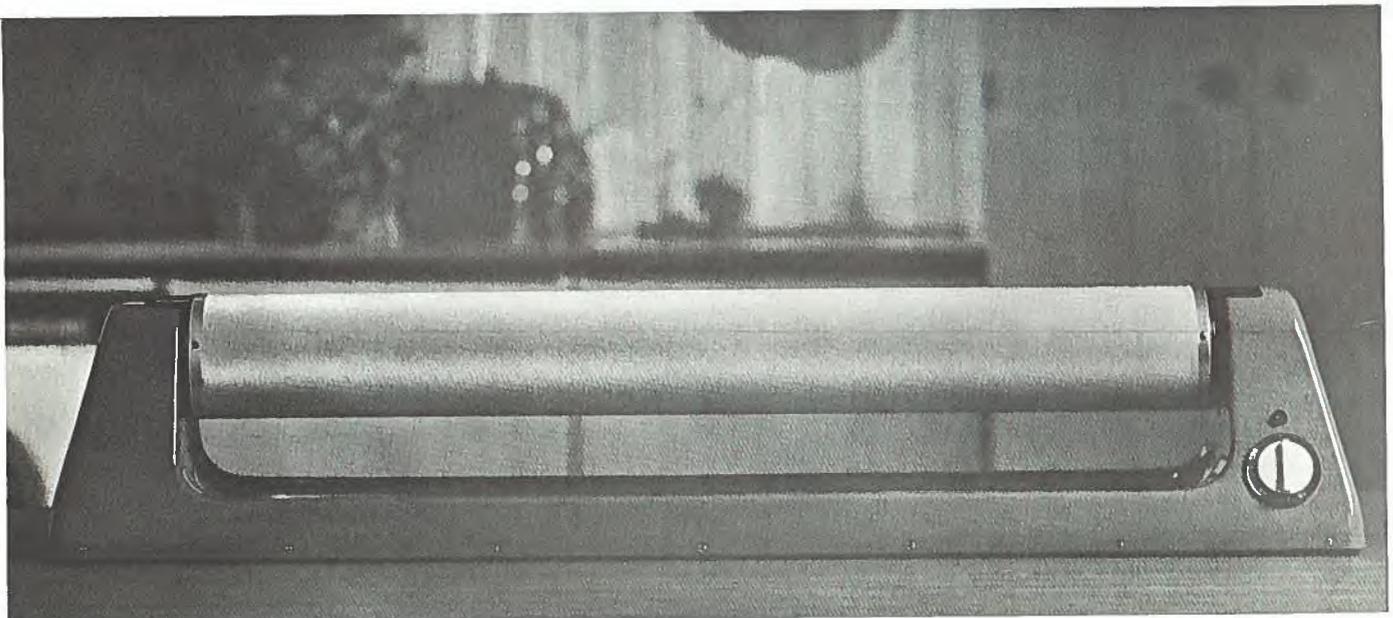
Item 2689 — Tackle Pouch
Article 2689 — Sac pour agrès de pêche



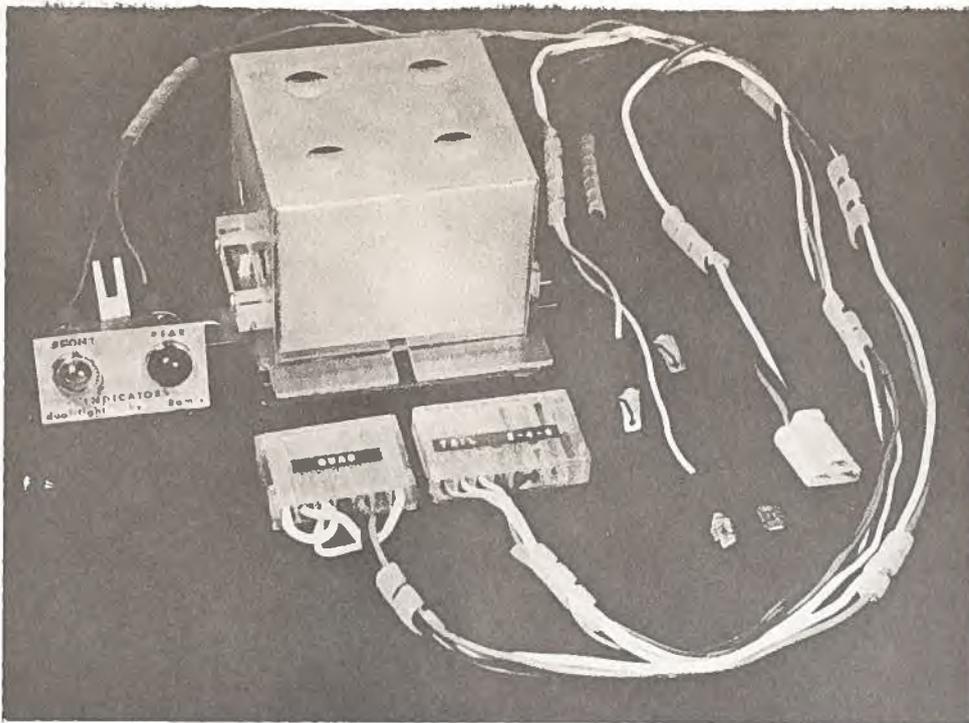
Item 2664 — Modular Construction System
Article 2664 — Système de construction modulaire



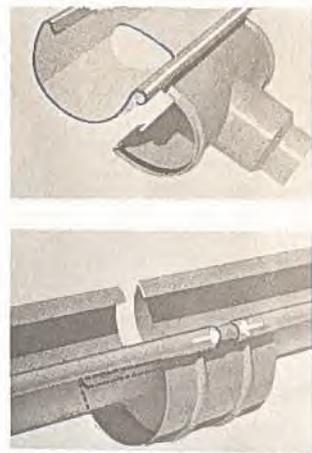
Item 2691 — Paint Roller
Article 2691 — Rouleau à peinture



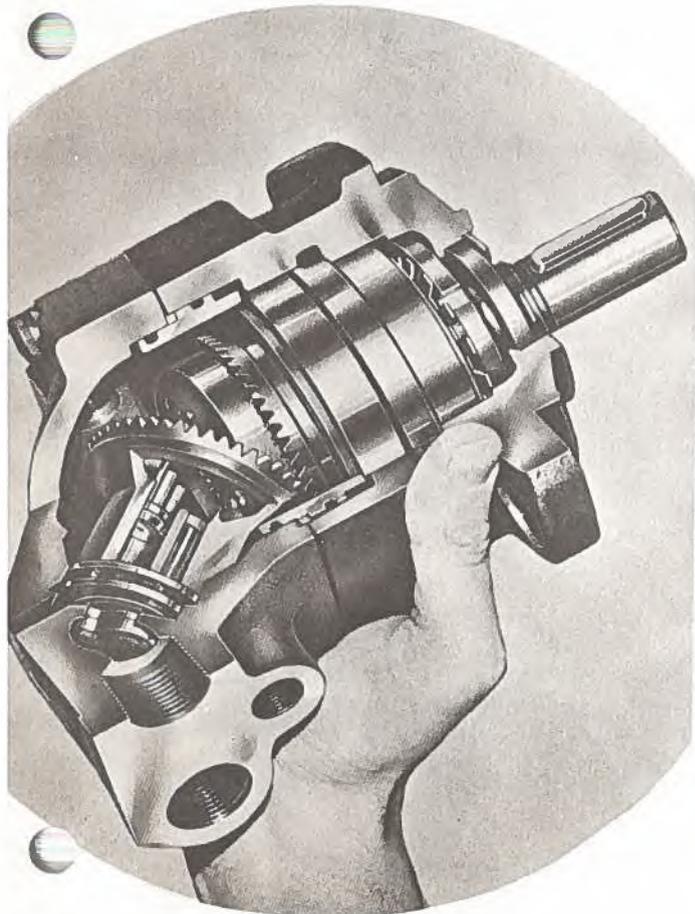
Item 2690 — Laundry Ironer
Article 2690 — Calandre



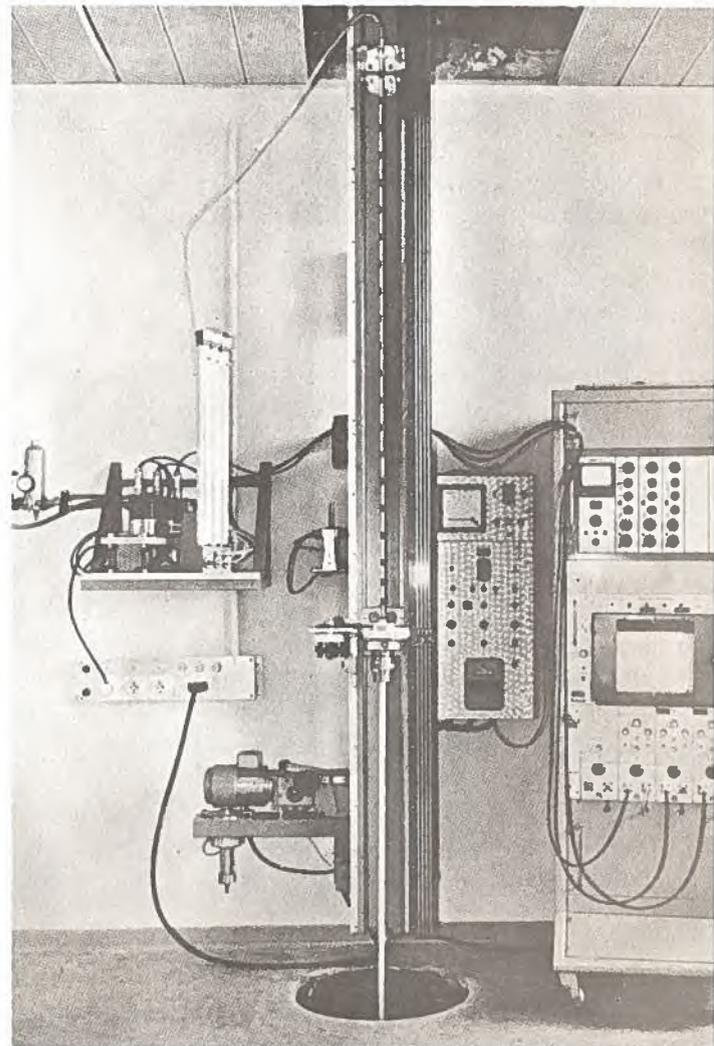
Item 2687 — Automotive Dual-Light System
 Article 2687 — Système d'allumage de réserve



Item 2665 — P.V.C. Eavestroughing
 Article 2665 — Gouttières en chlorure de polyvin



Item 2667 — Hydraulic Machines
 Article 2667 — Machines hydrauliques



Item 2682 — Vertical Universal Measuring Bench
 Article 2682 — Banc vertical universel de mesure

