

# new products bulletin

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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 171

SCIENCE AND  
TECHNOLOGY CANADA  
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BIBLIOTHÈQUE  
INDUSTRIE, SCIENCE ET  
TECHNOLOGIE

FEBRUARY 1970

## Fork-Lift Truck

Item 2162

British firm offers under license the Canadian production and marketing rights for its patented high lift, long reach fork-lift truck which, because of the flexibility in its design, can be made to suit many different applications. It is particularly suitable where there is a need to project the load forward past the truck's front axle to facilitate high stacking or handling material across obstructions. It may be designed to lift 3,360 lbs to a height of 43 feet with a forward reach of 4 feet or to lift over 2 tons to a height of 23 feet with a maximum forward reach of 15 feet. This vehicle can be supplied with various front or back wheel drive and steering combinations and a large variety of handling attachments to cope with any material. The licensor will provide technical information, drawings and technicians on loan. Literature available. See illustration.

## Mechanical Handling Equipment

Item 2163

French firm is seeking a licensing arrangement with a Canadian firm to manufacture and market in Canada a patented system of mechanical handling equipment which permits a truck or freight car to be loaded or unloaded in 45 seconds. The process would be saleable to all businesses with an output warranting the continuous use of pallets or containers for handling. The offer includes both the plans for the loading equipment and standard plans permitting the installation and completion of all the indoor circuits for the mechanical and automatic conveyance of the pallets in factory and store. Literature available. See illustration.

## Rigid Polyurethane Panels and Flexible Polyurethane Products

Item 2164

American firm is interested in a licensing arrangement with a Canadian firm for the production and marketing of a composite load-bearing building panel of a new polyurethane formulation, a joint venture arrangement for the production and marketing of what is claimed to be a unique automatic, continuous flexible polyurethane system, and the establishment of a chemical plant to produce the compounds involved in both processes. The Canadian licensee should deal with the builders supply trade or be a national builder while the Canadian joint venture partner should be a large foamer or in a complementary line such as the manufacture of carpets. The American firm can supply all machinery (preferably on a lease basis), training and technical "know-how". Literature available.

**Folding Plywood Boxes****Item 2165**

American firm offers under license the non-exclusive North American production and marketing rights for plywood boxes of one-piece construction, offering a storage space saving fold-flat feature. The rivetted and stitched metal corners provide strength necessary in export shipments and it is claimed the fastening method defies pilfering. The box can be constructed of various thicknesses of plywood and hardwood. The procedure for converting the box from its folded flat condition into a container "ready for packing" can be accomplished in seconds by unskilled labour without using tools. The box is easily folded flat, ready for returning, by simply pushing the bottom of the box from the inside. Literature available. See illustration.

**Posi-Traction Safety Chock****Item 2166**

American inventor offers for license the Canadian production rights and, with the exception of the United States, the worldwide marketing rights for a plastic device called a "safety chock" which is used under tires to keep vehicles in a stopped position. It is both waterproof and iridescent, and has a very low manufacturing cost. The container is designed to serve also as a road marker. Literature available. See illustration.

**Ceramic Colours****Item 2167**

British firm offers under license the Canadian production rights and the Canadian and American marketing rights for its inorganic pigments and associated raw materials for the pottery and ceramics industry. The range includes 25,000 ceramic colours, enamels for silk screening and lithographic purposes, glazes, underglazes and cover coats. The licensor will supply drawings and materials, sales and advertising literature, all necessary technical information, and, if required, a technician on loan to oversee start-up or assist with production problems. Literature available.

**Flexible Extension for Socket Wrenches of Ratchet Type****Item 2168**

Canadian inventor offers for license the Canadian production and marketing rights for a flexible extension for socket wrenches of the ratchet type. This product consists of a flexible body composed of spherical ball bearings and joint bearings enclosed within a coil spring housing. It is claimed that because of its flexibility it can be used with all types of tools such as socket wrenches, screwdrivers, drills, etc., in places that are normally hard to reach. The licensor will provide technical information and drawings. Literature available. See illustration.

**Combined Plate Shear with Planing Device****Item 2169**

German firm offers for license the Canadian manufacturing rights and the North American marketing rights to a combination hydraulic plate shear and planing device for making all types of welding edge shapes. Compared with the use of two separate machines, it is claimed that this combination machine will lower costs, require less floor space and increase productivity. The licensor will provide drawings and specifications. An interested licensee should possess technical experience and factory facilities in this field. Literature available. See illustration.

**Universal Milling Machine****Item 2170**

French inventor offers to a Canadian firm a licensing arrangement to produce and market a universal milling machine suitable for craftsmen, but also designed to be adaptable to mass production orders. The machine's principle and its components are very simple and it is designed to be operated by all types of electric motors. The licensee should be a general mechanical engineering company or a builder of machine tools not already making milling machines. Literature available.

**Condition Sensing and Controlling Switch Device****Item 2171**

American inventor offers for license the Canadian production rights and the worldwide marketing rights for a condition sensing and controlling switch device that is capable of serving several varied functions involving the sensing and controlling of temperature and/or pressure changes. Examples of use are: maintaining level of water in pool, safety device for room temperature, burglar alarm. The device is self balancing and avoids the sudden changes characteristic of conventional systems. This item has not yet been commercially produced, but production costs are estimated to be very low because of its simplicity. Literature available.

**Electrical Appliance Control System****Item 2172**

French inventor offers for sale or license the Canadian production and marketing rights to an electrical appliance control system for use with one or more electrical appliances, consisting of a relay, switches, a cam and other components. The areas of application would be as a morning alarm system, automatic lighting control system, automatic switching on and off of a radio or TV set, automatic switching on of a tape recorder or other recording device, operation of a heating and/or air conditioning system, etc. This item has not been commercially produced. Literature available.

**Safety Goggles****Item 2173**

American firm offers for license the Canadian production and marketing rights for safety goggles suitable for work, sun and sports. These goggles are made of snap-in parts and are completely adjustable to the contours of the face to achieve a snug wraparound fit. They are shatter-proof, resilient, scratch-resistant, distortion-free, glare-reducing, fog-free, highly styled, and light-weight. The lenses are interchangeable and replaceable and are available in clear, green, gray or amber colours. The nosebridge is available in three sizes and is also interchangeable. The licensee should have a background in plastics moulding, facilities for manufacturing the glasses after buying the moulds and coating, and a sufficiently large sales staff. Literature available. See illustration.

**Game****Item 2174**

American inventor offers for sale or license the Canadian production and marketing rights for a game, designed for two to ten players, which uses specially marked cards, dice and play money and employs information based on the stock market. The game is comprised of 100 stock cards each of which lists the name of a different stock, its price and earnings and dividend information, 44 bear market cards each describing a loss of various types, and 44 bull market cards each describing a gain of various types. The game is played by rolling dice which instruct the players to pay or receive money as well as possibly taking one or other of the different types of market cards and following the instructions thereon. This game has not been previously manufactured and may require further development. Literature available.

**Amusement Device****Item 2175**

American inventor offers for sale or license the Canadian production and marketing rights for a device consisting of a large hollow open-ended cylinder which freely rotates on two rollers when a child stands inside the cylinder and walks. The object of this amusement device is for the child to remain upright and not fall. The two spaced parallel horizontal rollers which rest in a cradle are freely rotatable and each has three rubber tires around its external surface. The position of the rubber tires corresponds to grooves in the cylinder. This device has not been previously manufactured and may require further development by the licensee. Literature available. See illustration.

**Finger Nail Clipper****Item 2176**

American inventor offers for sale the Canadian production and marketing rights for a new type of finger nail clipper which is always in the open position ready for use, while at the same time the cutting surfaces are not exposed so as to be a hazard to the user. This small compact clipper has two geared actuating members which encompass a spring having cutting edges on its base. Advantages claimed are simple and low cost construction, and ease of use. The licensee should have manufacturing and marketing facilities. Literature available. See illustration.

**New Hair Curler****Item 2177**

Canadian inventor offers for sale or license the worldwide production and marketing rights for a new plastic hair curler for private or commercial use. The curler gives automatic rolling by pressure on the ends and the rolling process can be controlled and stopped. It also does away with the use of pins. This roller has not yet been commercially produced and may require further development. Literature available. See illustration.

**Pontoon Bridge****Item 2178**

Canadian inventor offers for license the Canadian production and worldwide marketing rights for a truck-portable pontoon bridge design. The bridge can be unloaded from the rear of a land vehicle and stretched across a stream or other body of water. It is supported by inflated rubber pontoons secured to the inside of the frame of the bridge. It is claimed that the pontoons serve a dual role by providing a unique stiffening action to the bridge itself and by adding unusual stability to a bridge of this kind. A major application of this bridge would be for use by resource exploration industries, especially in northern situations where portability is desired and bridges must be raised during the winter months. Literature available.

**Lighted Picture Frame****Item 2179**

American inventor offers for sale or license the Canadian manufacturing and marketing rights for a picture frame containing a lamp and reflector which provides light completely surrounding the picture. The light, such as fluorescent lamps, is hidden from view by means of a hollow core in the outer frame. The outer frame is lined with foil or other material which acts as a light reflector. An inner frame is mounted within the outer frame, with a peripheral opening between the two frames extending completely around the inner frame which acts as a conduit for the light emitted by the lamps and directed by the reflector. A picture placed within the inner frame is thus completely illuminated. Literature available.

**Disposable Sugar Dispenser****Item 2180**

American inventor offers to a Canadian manufacturer a licensing arrangement to produce and market in Canada a disposable plastic sugar dispenser. This container is hollow and vacuum formable. After being filled with sugar at the factory, a portion of the container having a removable nipple, tear strip, corner or the like can be disposed over the single opening in the container through which it is filled. The dispenser has particular application in restaurants. When the seal is broken, the dispenser is ready for use. It eliminates the breakage problems connected with glass dispensers and the loss of time required to refill same. This invention has not been previously manufactured. Literature available.

**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.

<u>Invention</u>	<u>Patent issued</u>	<u>Patent No.</u>
Methods and Apparatus for the Fabrication and Erection of Structures	Dec. 23/69	830,160
Slot Making Apparatus	Dec. 23/69	830,279
Removable Load Cover	Dec. 23/69	830,298
Unitized Automobile Body Construction	Dec. 23/69	830,343
Steel Casting Machine	Dec. 23/69	830,364

Method of Removing Radioiodine Values from a Gaseous Medium	Dec. 23/69	830,379
Drilling Mud Composition and Process	Dec. 23/69	830,385
Ladle for Metallurgical Purposes	Dec. 23/69	830,394
Process for Manufacture of Co-Precipitates of Milk Proteins	Dec. 23/69	830,442
Removal of Strontium 90 from Milk by Isotopic Exchange	Dec. 23/69	830,443
Production Method of Adhesive Bonding	Dec. 23/69	830,470
Process for Manufacturing Olefins by Catalytic Partial Oxidation of Hydrocarbons	Dec. 23/69	830,524
Vinyl Chloride Resin Compositions	Dec. 23/69	830,544
Means for Tracing Liquids Through Permeable Media	Dec. 23/69	830,571
Electric Arc Welding Apparatus	Dec. 23/69	830,618
Switching Networks	Dec. 23/69	830,625
Tunable Magnetron	Dec. 23/69	830,667
Solid State Conversion System	Dec. 23/69	830,668
Barres liquides de sécurité pour réacteur nucléaire	Dec. 23/69	830,698
Hoarding Clip	Dec. 30/69	830,715
Retractable Fence	Dec. 30/69	830,762
Smoke Ammunition	Dec. 30/69	830,946
Rock Crusher	Dec. 30/69	830,975
Process for the Preparation of Ammonium Salts, Type (R) $(\text{CH}_3)_3\text{N}(\text{X})$	Dec. 30/69	831,047
Mesure de la densité d'un fluide	Dec. 30/69	831,147
Mowing Apparatus with Rotary Cutters	Jan. 6/70	831,227
Combination Lock	Jan. 6/70	831,240
Device for Attaching a Projectile to a Cartridge Case	Jan. 6/70	831,278
Mechanical Artificial Fishing Lure Guide	Jan. 6/70	831,383
Continuous Mixing Machine	Jan. 6/70	831,400
Platform Scale	Jan. 6/70	831,404

Swivel Couplings	Jan. 6/70	831,422
Tongs for Handling Heavy Products	Jan. 6/70	831,424
Method for Obtaining Active Silica from Silicates and Aluminosilicates	Jan. 6/70	831,450
Removal of Sulfur Oxides from Gases with Calcium Phosphates and Phosphate Rock	Jan. 6/70	831,452
Low Carbon or Medium Carbon Steels Having the High Ductility	Jan. 6/70	831,463
Phenolic Foam Composition	Jan. 6/70	831,553
Charged Particle Extracting Magnet for an Accelerator	Jan. 6/70	831,614
Electromagnetic Flow Meter	Jan. 6/70	831,635
Electric Current Supply System	Jan. 6/70	831,654
Procédé pour améliorer la précision de l'échantillonnage des matériaux	Jan. 13/70	831,735
Polycellular Tubular Grid Structures and Method of Manufacture	Jan. 13/70	831,745
Automatically Ignited Oil Burning Heating Device	Jan. 13/70	831,776
Electrostatic Precipitation Apparatus and Process	Jan. 13/70	831,822
Classification of Solid Polymer Pellets	Jan. 13/70	831,837
Magnetic Chucks	Jan. 13/70	831,874
Stuffing Box	Jan. 13/70	831,877
Vibration Damping Means for Resilient Convolute Members	Jan. 13/70	831,878
Folding Table	Jan. 13/70	831,890
Solid Solution Carbide-Graphite Composites	Jan. 13/70	831,911
Apparatus for Distributing Loose Material	Jan. 13/70	831,912
Anti-Seizing Surfaces	Jan. 13/70	831,949
Fused Bath Electrolytic Cell Having Bipolar Electrodes and Process	Jan. 13/70	831,973
Process for the Production of Flame Resistant Polyurethane Foams	Jan. 13/70	832,036

**Dispositif pour la prise d'autoradiographies  
Beta-Gamma**

**Jan. 13/70**

**832,086**

**Procédé et appareil de détermination de la résistivité  
électrique du sous-sol par ondes électromagnétiques  
de surface**

**Jan. 13/70**

**832,114**

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

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

**Co-Flowing Jet Velocity Sensor**

**Case No. 4391**

A simple instrument that produces a linear measure of fluid velocity and hence is more sensitive in low-speed applications than pitot tubes, which are nonlinear. In practice, a nozzle emits a fluid jet toward the sensor which is similar to a pitot tube; the combination of fluid flow and jet flow produces a linear velocity-pressure relationship. A modification of the sensor allows measurement of velocity components along two or three axis.

**Flexible Strain Gauge**

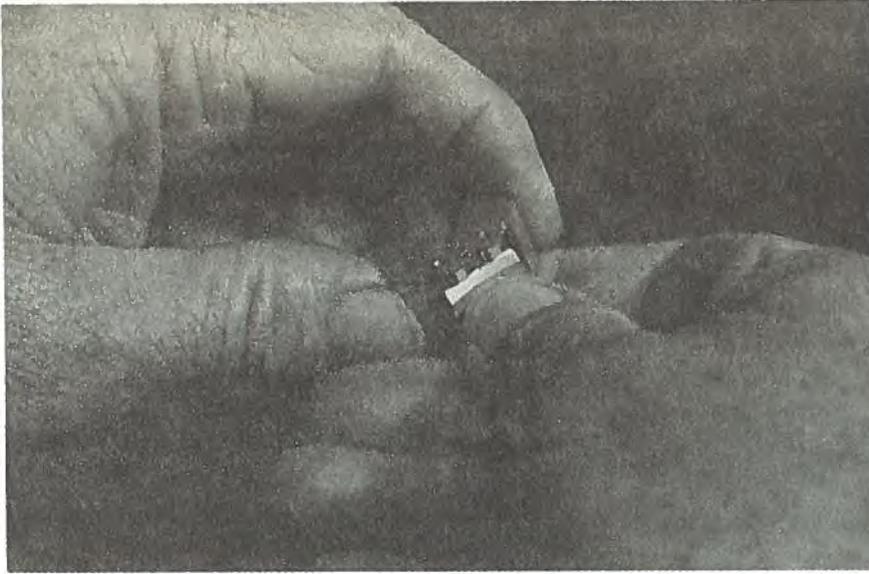
**Case No. 4453**

A thin film of germanium evaporated onto a flexible substrate, provides a piezoresistive element which has a higher gauge factor than metallic elements and is simpler to make than single crystal silicon elements. The flexibility of the element lends itself very readily to rapidly reversing strain measurements.

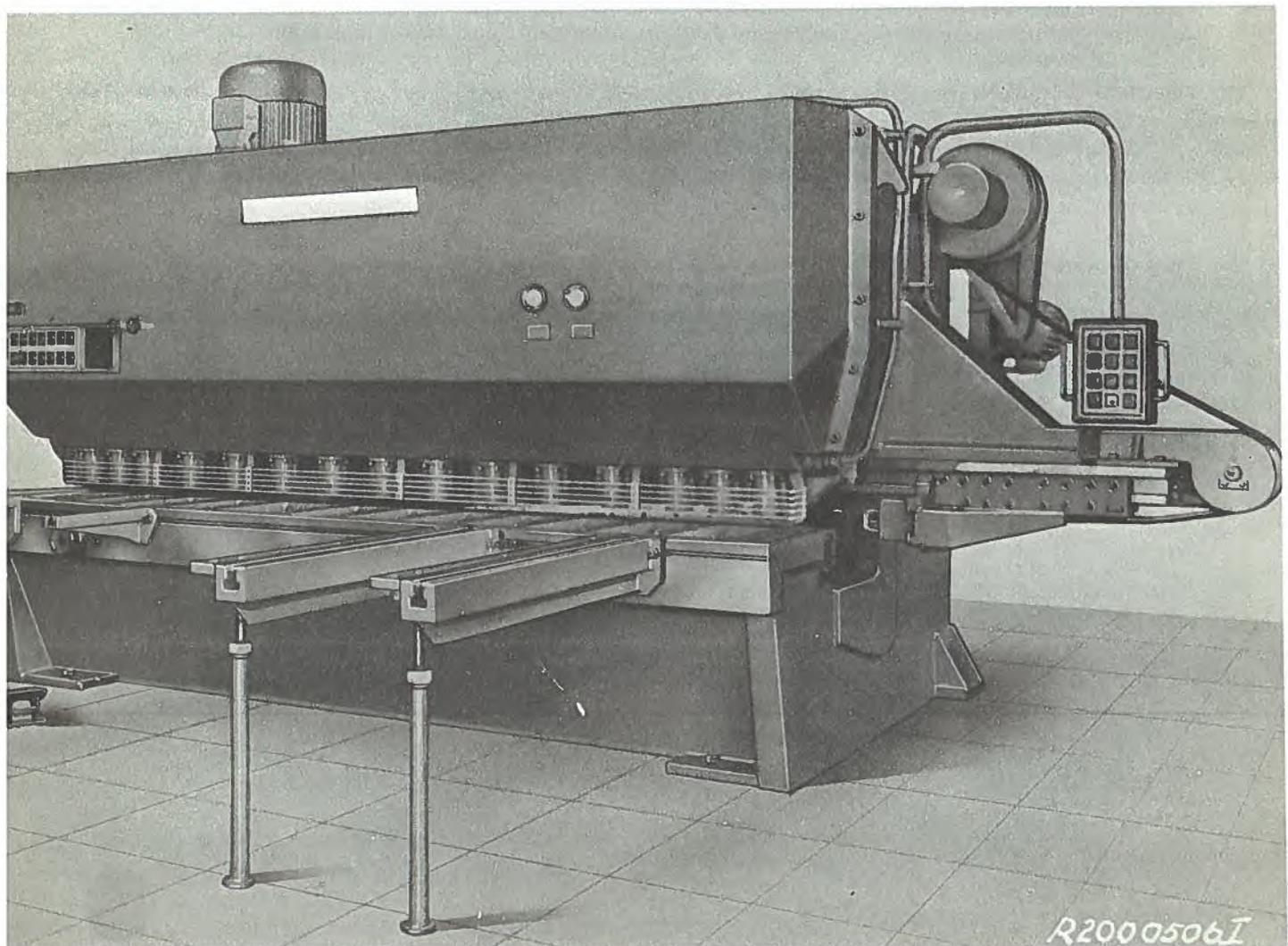
**Fluid Densitometer**

**Case No. 4475**

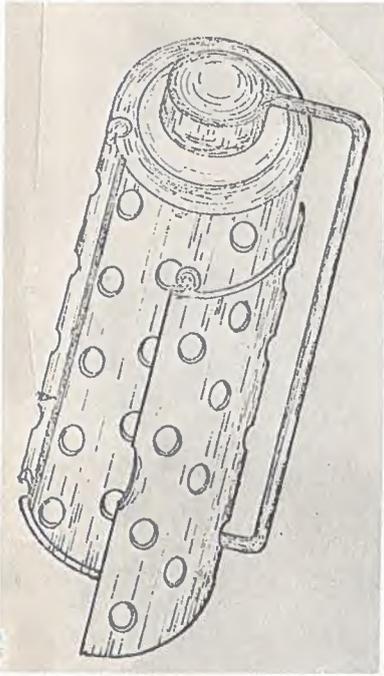
A simple, low-cost probe to continuously measure the density of a flowing fluid stream. It has no moving parts and no electrical components. Among the many potential users of densitometers are the process industries (for example, continuous measurement of pulp stock density) and other industries requiring accurate density measurement (for example, obtaining continuous mass-flow measurement of natural gas for billing purposes).



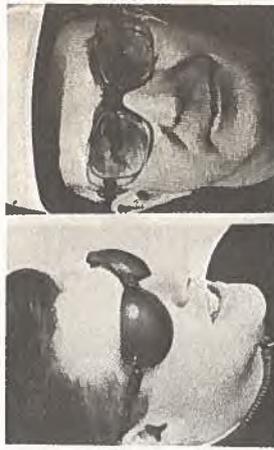
Item 2176 — Finger Nail Clipper  
Article 2176 — Coupe-ongles



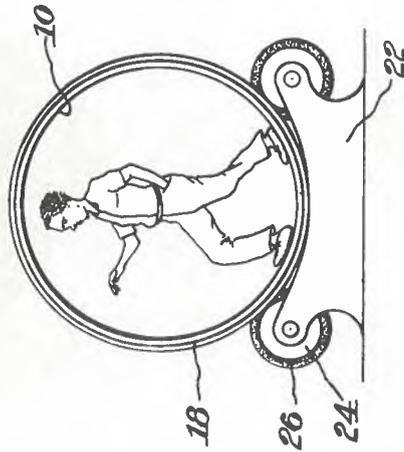
Item 2169 — Combined Plate Shear with Planing Device  
Article 2169 — Ciseau pour feuille métallique combiné avec planeuse



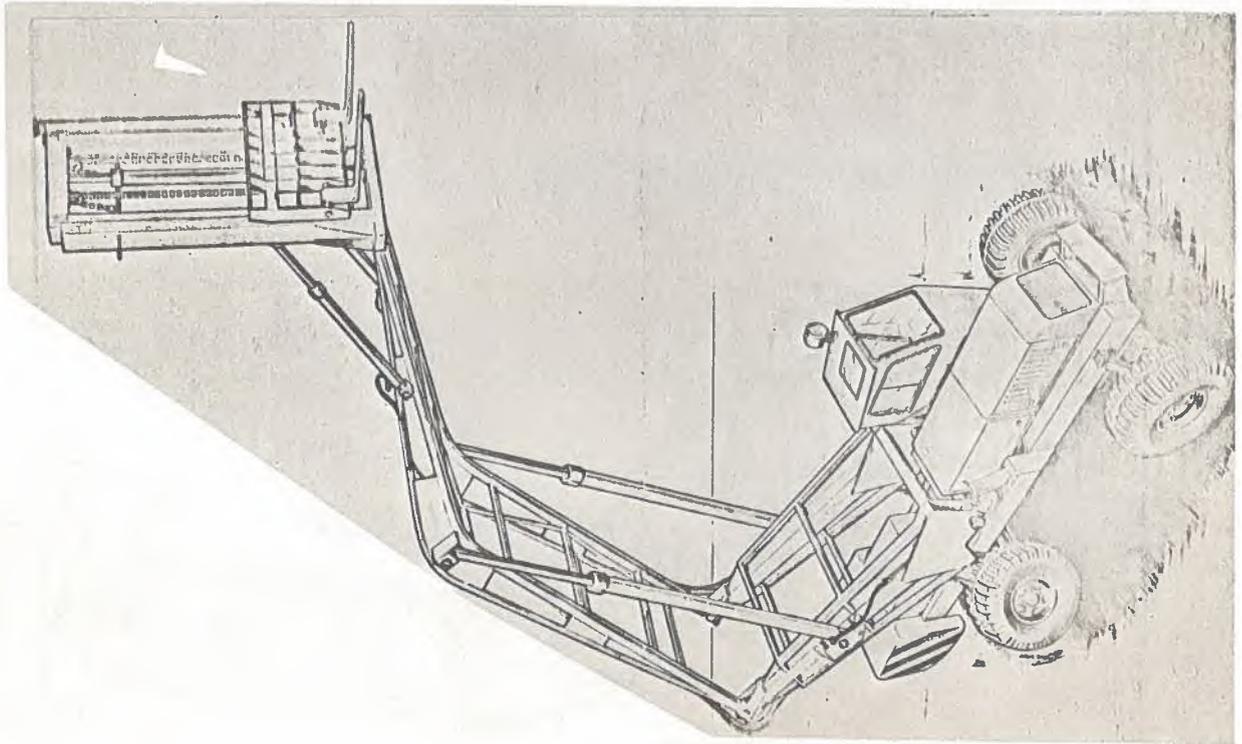
Item 2177 — New Hair Curler  
Article 2177 — Bigoudi nouveau



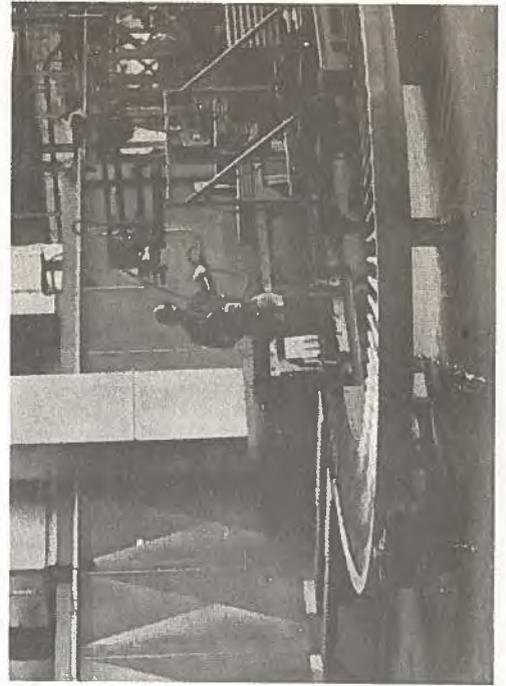
Item 2173 — Safety Goggles  
Article 2173 — Lunettes protectrices

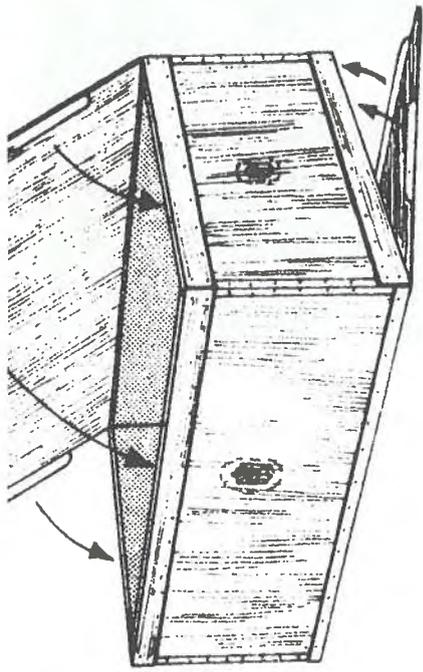


Item 2175 — Amusement Device  
Article 2175 — Dispositif de divertissement



Item 2162 — Fork-Lift Truck  
Article 2162 — Chariot élévateur

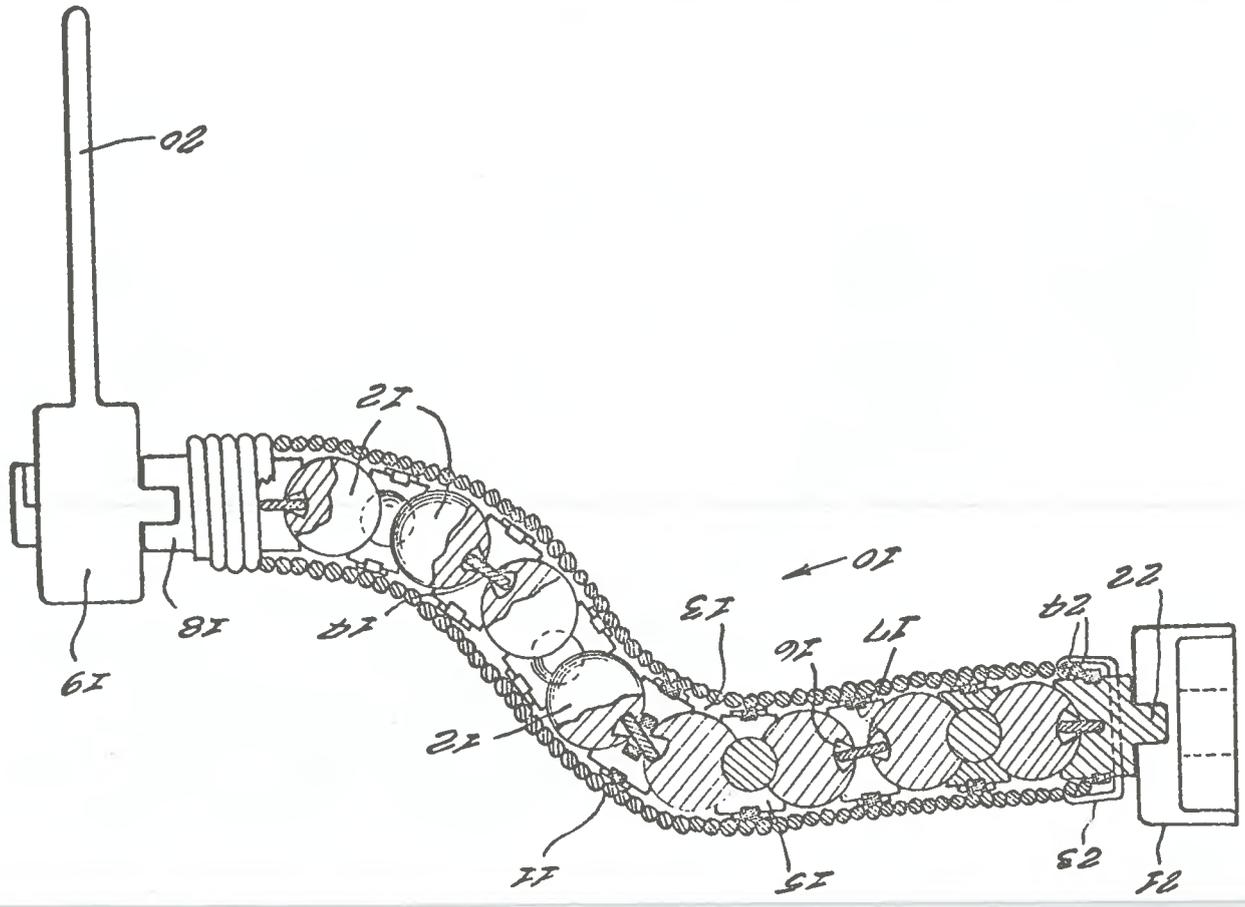




Item 2165 — Folding Plywood Boxes  
 Article 2165 — Boîtes pliâbles en contre-plaqué



Item 2166 — Posi-Traction Safety Chock  
 Article 2166 — Blocage de roues d'automobile



Item 2168 — Flexible Extension for Socket Wrenches of Ratchet Type  
 Article 2168 — Rallonge souple pour clé à douille de type cliquet