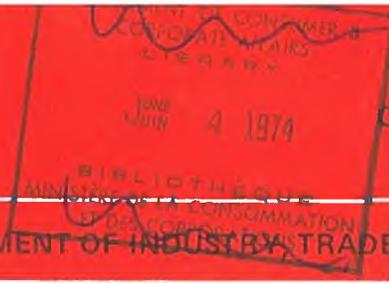


new products bulletin

INDUSTRY, TRADE AND TRAFFIC SERVICES BRANCH • 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:

**Mr. K.E. Hacker, Industry, Trade and Traffic Services Branch, Department of Industry, Trade and Commerce
Tower B, Place de Ville, Ottawa 4, Ontario.**

TEL: 992-4441, Area Code 613

BULLETIN 161

AUG 13 1996

APRIL, 1969

BIBLIOTHÈQUE
INDUSTRIE, SCIENCE ET
TECHNOLOGIE

Containers, Semi-Trailers and Truck Bodies

Item 1990

American firm wishes to license a suitable Canadian manufacturer to produce its line of containers, semi-trailers and truck bodies for the Canadian market. The containers are the highway, seagoing and railroad types. The types of semi-trailers include dry-freight, refrigerated, moving van, platform, bulk fruit and grain and special. The licensor will provide complete drawings, jig drawings, technical "know-how" and technicians to help with construction of initial units. An interested Canadian company should have experience in aluminum and steel fabrication and should possess factory facilities suitable for building equipment comparable to semi-trailers, containers, etc. Literature available. See illustration.

Continuous Compaction Garbage Vehicle

Item 1991

Australian firm is seeking a licensing arrangement with a suitable Canadian manufacturer to produce and market its patented continuous compaction garbage vehicle. This vehicle is lighter and more compact than similar vehicles and can be fitted to a 5-ton truck chassis. The loading hopper has a height of 50 inches from road level and has a volume of 12 cu.ft. The new compaction mechanism involves an oscillating blade set in a rear hopper and connected by a simple linkage to two pistons each capable of exerting 9 tons pulling pressure. This action provides high pressure over a relatively small surface and permits the compactor to operate with a minimum of noise. Literature available. See illustration.

Radial Forging Process

Item 1992

Russian state licensing organization offers under license to a suitable Canadian firm the manufacturing and marketing rights for its radial forging process for producing finished parts (sprockets, spur gears, etc.) by one stroke of a press without any metal loss. No additional machining is required for parts of normal accuracy. The process is based on the utilization of standard mechanical presses and original dies. It is claimed that the introduction of radial forging instead of teeth-hobbing in the production of sprockets ensures a 25-30 fold increase in productivity; one crank-shaft press equipped for radial forging replaces 35-50 gear-hobbing machines; on each blank, metal saving is 15% to 25% of the weight of the product. It is estimated that the service life of sprockets with forged teeth is 50% longer than those with hobbled ones. Literature available.

Spiral Staircase**Item 1993**

British firm is seeking a licensing arrangement with a Canadian manufacturer to produce and market its design of spiral staircase. These circular stairs occupy a minimum of floor space and are particularly useful where vertical access is required (e.g. attic or basement) but space is restricted. The stairs are delivered in prefabricated sections which can be assembled by unskilled labour in 1½ hours. The framing is of steel construction, and the treads are of wood. The handrails and bolster knobs are chrome plated. The handrail is of one continuous length, and after installation can be covered with coloured or clear plastic. Literature available. See illustration.

System for Construction of Prefabricated Buildings and Carrousel Plants**Item 1994**

Israeli inventor offers a licensing arrangement to a Canadian manufacturer to utilize his system for the construction of prefabricated buildings and carrousel type plants. From a constructional point of view, the system is based on crossbearing walls. The ceiling slabs are supported by bearing walls. The front walls are not bearing ones, giving the building the required freedom for the architect in planning the façade structure. Factory can be erected as a static or a mobile plant and machinery used is standard. Literature available. See illustration.

Structural Flooring and Roofing System**Item 1995**

British firm is seeking a licensing arrangement with a progressive, medium-sized Canadian manufacturing company, engaged in the manufacture of building products, to fabricate its system of lightweight, low cost structural floors and roofs. The units are manufactured from cement bonded wood wool and are resistant to fire and vermin attack. No shutterings are necessary. Technical know-how and training of technicians will be provided by the licensor. Licensee should have design office as well as established connections with building contractors, architects and engineers. Literature available. See illustration.

Ventilating and Air Conditioning Units**Item 1996**

Swiss firm offers a licensing arrangement to a suitable Canadian manufacturer to produce and market in Canada its range of ventilating and air conditioning units. The ventilation system can be assembled in twenty different combinations ranging from a simple ventilation unit to the most sophisticated air conditioner. Units can be assembled horizontally or vertically, or in horizontal or vertical L-formations. The humidifiers (three types) are based on the principle of a spray of water directed at a rotor in a circulating flow of air which is directed by a special arrangement of vanes. The licensor will provide technical "know-how" and drawings. Literature available. See illustration.

Hydraulic Pipe Coupling**Item 1997**

Swiss firm is seeking a licensing arrangement with a Canadian manufacturer to produce its hydraulic pipe coupling. This coupling can be used to join piping materials of cast iron, steel, copper, brass, asbestos cement, plastic, glass, earthenware, etc., and is claimed to be resistant to caustics, acids, gases and solvents, with the exception of fluorine gas and metallic sodium in the temperature range from -20° C to +120° C. The coupling makes use of a pressure fluid which is non-hardening and which can be drained off even after many years of use. It is completely leakproof while allowing up to 8° misalignment. Literature available. See illustration.

Pipe Lining Process**Item 1998**

American firm is seeking an exclusive licensee in Eastern and Western Canada to manufacture the equipment for its patented process of in-place centrifugal cement mortar lining of steel and cast iron, high pressure water mains and distribution lines. Process permits lining of pipe from 4" to 144" diameter, in pulls of up to 600 feet, without disturbing the roadway surface except for two 5-foot square shafts. The purpose of the cement lining is to renew old pipe and to prevent incrustation, tuberculation and oxidation of newly cleaned or new pipe. Leaks are eliminated as lining has no joints. Work can be performed without interruption of water service. Literature available.

Window Ventilator**Item 1999**

New Zealand firm offers licensing arrangement to suitable Canadian manufacturer to produce and market its all-weather window ventilator. The ventilator is fitted into the bottom of the window and suits both sash and frame types of timber, steel or aluminum. It is claimed to eliminate drafts and rain driven by wind gusts to 90 mph and to eliminate or greatly reduce condensation on the glass. Condensation which does form is directed to the outside. Literature available. See illustration.

Hand-cart for Outboard Motors**Item 2000**

Australian inventor is seeking a licensing arrangement with a Canadian manufacturer to produce and market in Canada his hand-cart for carrying an outboard motor. This cart is constructed of tubular steel; has an adjustable handle; has four sets of ball bearings which allow it to manoeuvre in any direction; and can carry an outboard motor of up to 35 h.p. or 300 lbs. Using this cart, an outboard motor can be loaded into, or unloaded from, the trunk of a car or back of a station wagon by one person and can be wheeled over rough ground. The licensee will be provided with technical information and drawings. Interested Canadian companies should have established contacts with boating supply outlets. Literature available.

Fireplace and Stove Combustion Aids**Item 2001**

French firm offers to a Canadian company the Canadian and Commonwealth manufacturing and marketing rights to its range of fireplace and stove combustion aids and chemical additives. These products include a fuel additive which emulsifies water in the fuel and eliminates moisture condensation in the heating chamber, and a non-corrosive chemical product which is placed in the fire box to clean the bowl, disintegrate and detach soot, unblock the air passages and clean the flue pipes as well as protect the combustion chamber walls. Literature available.

Antioxidants and Intermediates**Item 2002**

Czechoslovakian licensing agency offers a manufacturing license to a Canadian firm to produce new antioxidants and intermediates. It is claimed that the products may be used directly for the protection of organic materials against the autoxidation process, or may be used as organic intermediates for further syntheses of oil, fat, and resin additives and antioxidants, surfactants, fungicides, bactericides, insecticides, herbicides, pharmaceuticals, cosmetics, preservatives, and special stabilizers for various plastics. Literature available.

Barrel and Drum Loader/Unloader**Item 2003**

Scottish firm offers a licensing arrangement to a Canadian manufacturer to produce and market in Canada its continuous high speed barrel and drum loader and unloader. This loader/unloader is designed to handle barrels and drums for industries where loading, unloading and stacking would benefit from increased speed and reduction in manpower. Barrels can be handled at the rate of six per minute as a continuous flow is achieved by linking the unloader to the stacker via an accumulating conveyor. The principle of continuous elevation has been applied to the stacker which will lift barrels to a height of 29 ft or as required. The levelling platform becomes a passenger lift on which the operator rides to the selected level for work, inspection, etc. Literature available. See illustration.

Rotary Garbage Collection Unit**Item 2004**

British firm is seeking a licensing arrangement with a Canadian manufacturer to produce and sell in the Canadian and American markets its rotary garbage collection device. This system is designed to automatically place an empty garbage can under a garbage chute and is suitable for use in high rise apartment buildings. The principle is based on locating a rotary turret holding 3 to 12 garbage cans so that an empty can is always under the chute. The system is easily installed, reduces handling time, only requires simple half yearly maintenance. The licensor will provide drawings and technical know-how. Literature available. See illustration.

Heating Unit**Item 2005**

American inventor is offering for license or outright sale the Canadian manufacturing rights and the world-wide marketing rights for his wood-burning heating unit. This unit can be used in place of a conventional fireplace. The unit consists of a free-standing, hollow, vertical cylinder with several windows of clear or coloured glass, between which are located elongated air intake openings. The air entering the intakes swirls around, producing a shimmering effect. This action provides illumination, keeps the windows clear, and causes the ashes to be exhausted via the chimney, thus minimizing clean-out problems. The inventor will supply technical information. Literature available.

Carpet Securing Device**Item 2006**

American inventor offers a licensing arrangement to a Canadian manufacturer to produce and market in the Canadian and world-wide markets his device for securing carpets. It is claimed that this device provides a quick and easy method of installing carpets and undermatting. If desired, either the carpet or the undermatting may be butted together with this device in such a manner as to form tight seams or joints without sewing. Literature available.

Blackboard Duster**Item 2007**

Belgian company is seeking a licensing arrangement with a Canadian firm, having well established contacts in the educational field, to produce and market its blackboard duster. The duster consists of a cover with a handle, two plastic foam rollers and felt tongues. The advantages of this duster are claimed to be that blackboards can be dusted without using water; because the plastic cover traps the dust, the room and the person dusting remain clean; because of its roller action, the dusting requires little effort; because the plastic foam rollers can be replaced, the duster has a long life. Literature available. See illustration.

Dental Flushing Device**Item 2008**

Austrian inventor offers a licensing arrangement to a Canadian company to manufacture and market a dental flushing device. The device is of simple plastic construction and especially designed to help clear debris in otherwise inaccessible interdental spaces, under bridges and other locations. It can be marketed separately or as a part of a package by suppliers of oral hygienic or therapeutic fluids. The inventor will provide the necessary drawings. Literature available. See illustration.

Brushes with Kinked Bristles**Item 2009**

American inventor offers a licensing arrangement to a Canadian manufacturer to produce and market in Canada and on a world-wide basis his brush with kinked bristles. The purpose of this invention is to allow the user to derive harder scrubbing action without applying harmful stiffness to the brushed surface. This principle can be applied to tooth brushes, as it is claimed it will be an improvement over straight bristles which dig into the gums. Literature available.

ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CASES TO:

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

Separating High Strength Phosphoric Acid from Calcium Sulphate**Case 4047**

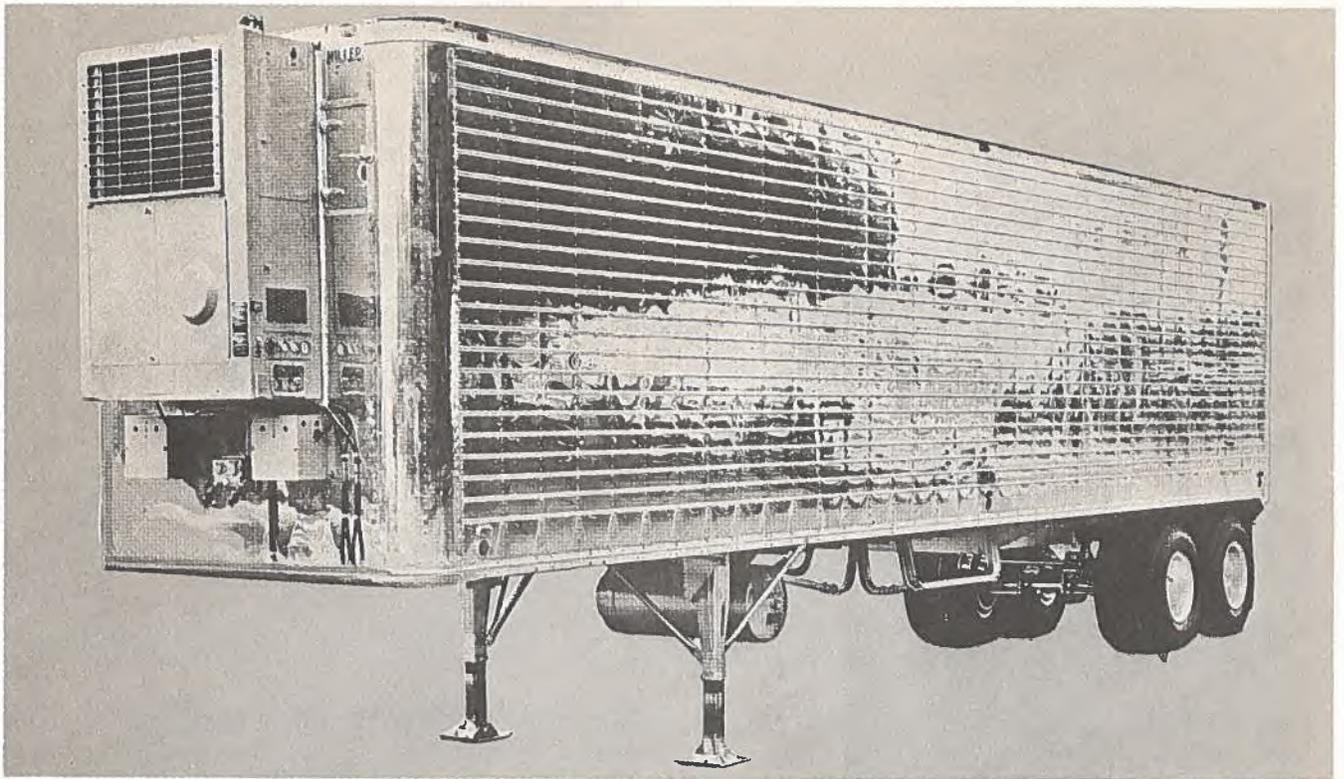
An economical method for separating finely divided calcium sulphate and associated solids from concentrated phosphoric acid. Good recoveries of the clear acid in strengths of up to 85% can be obtained without having to dilute, filter, and reconcentrate.

Alkylation of Aromatic Compounds**Case 4152**

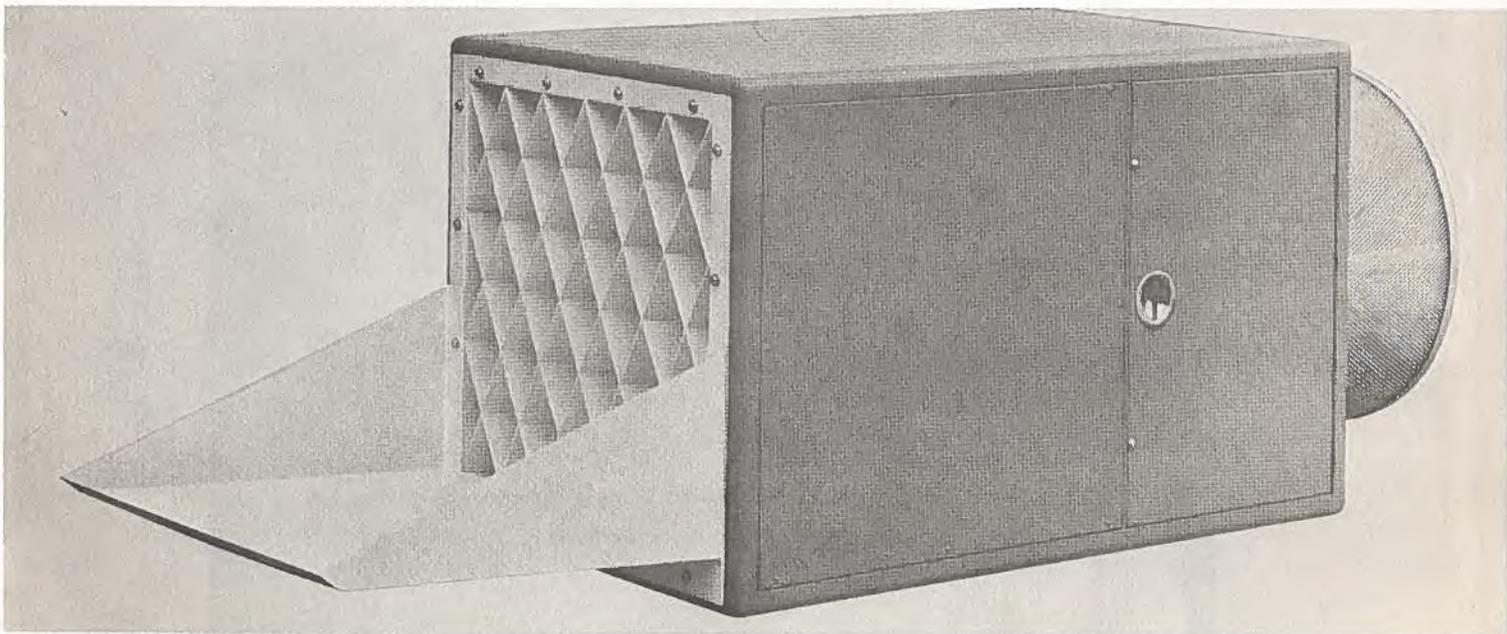
A new method whereby aromatic compounds such as benzene, phenol and pyrrole, etc., are condensed with carbonyl compounds in the presence of a reducing agent. Procedures are simple, and take place at atmospheric pressure. The by-products, if any, are easily removed. The technique should be specially useful for organic syntheses in the pharmaceutical and fine chemical industries in cases where the replacement of all carbon-bound hydrogens in the ring by alkyl or substituted alkyl groups in an objective.

Polymerization of Ethylene and Propylene**Case 4221**

A new low temperature, low pressure catalytic process for producing a variety of olefinic polymers.



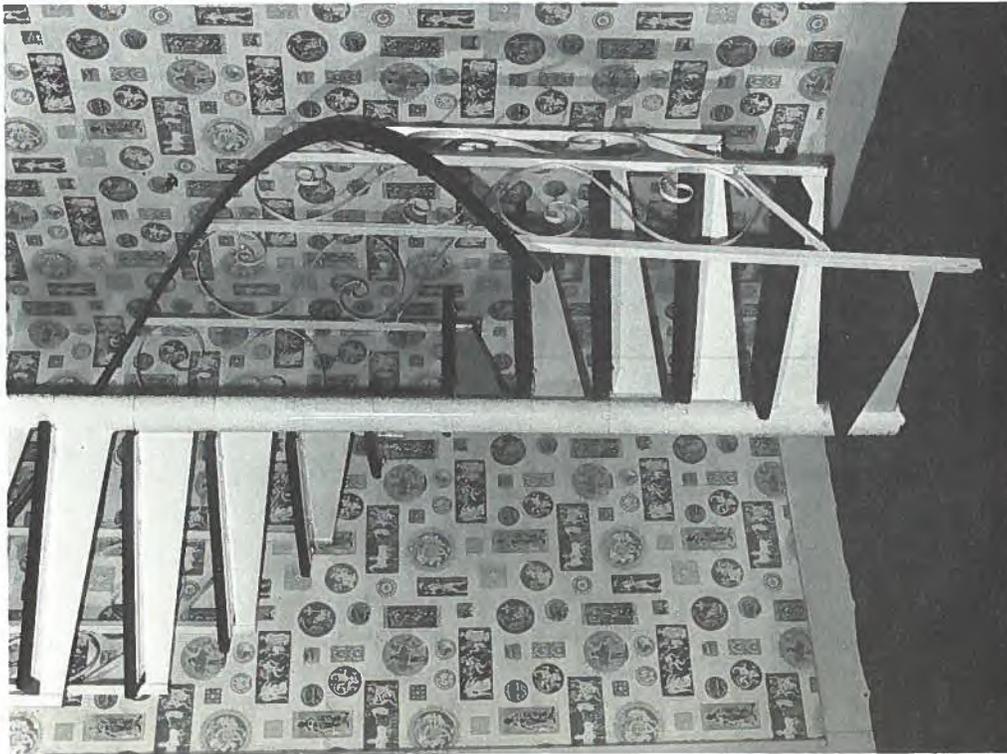
Item 1990 — Containers, Semi-Trailers and Truck Bodies
Article 1990 — Conteneurs, demi-remorques et corps de camions



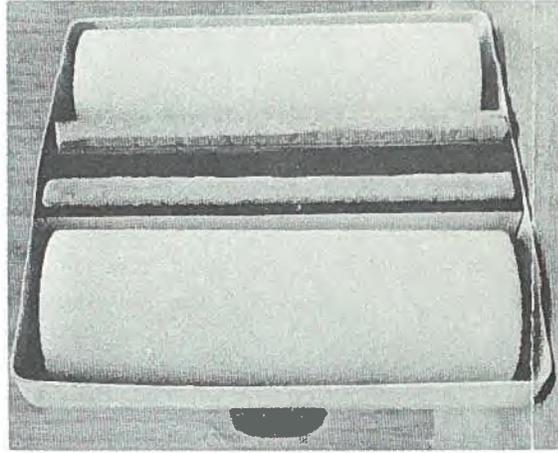
Item 1996 — Ventilating and Air Conditioning Units
Article 1996 — Appareils de ventilation et de climatisation



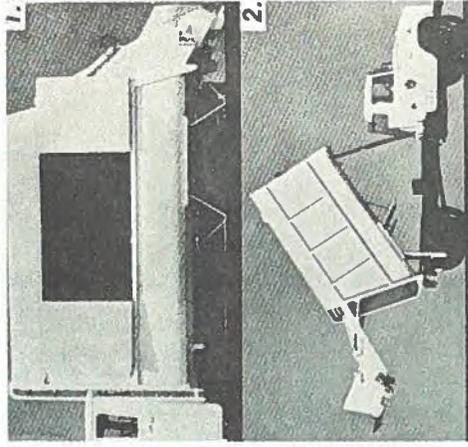
Item 1995 — Structural Flooring and Roofing System
 Article 1995 — Système de planchers et de toitures dans la construction de bâtiments



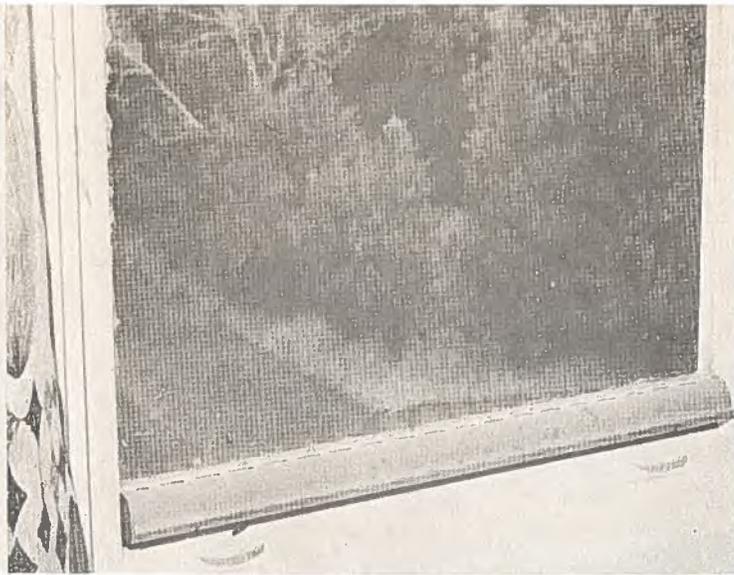
Item 1993 — Spiral Staircase
 Article 1993 — Escalier tournant



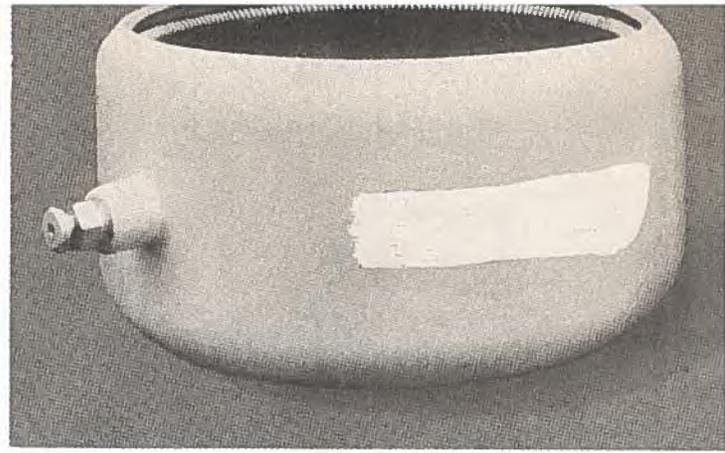
Item 2007 — Blackboard Duster
 Article 2007 — Frotteur de tableau noir



Item 1991 — Continuous Compaction Garbage Vehicle
 Article 1991 — Véhicule d'enlèvement des ordures avec mécanisme de compression en continu



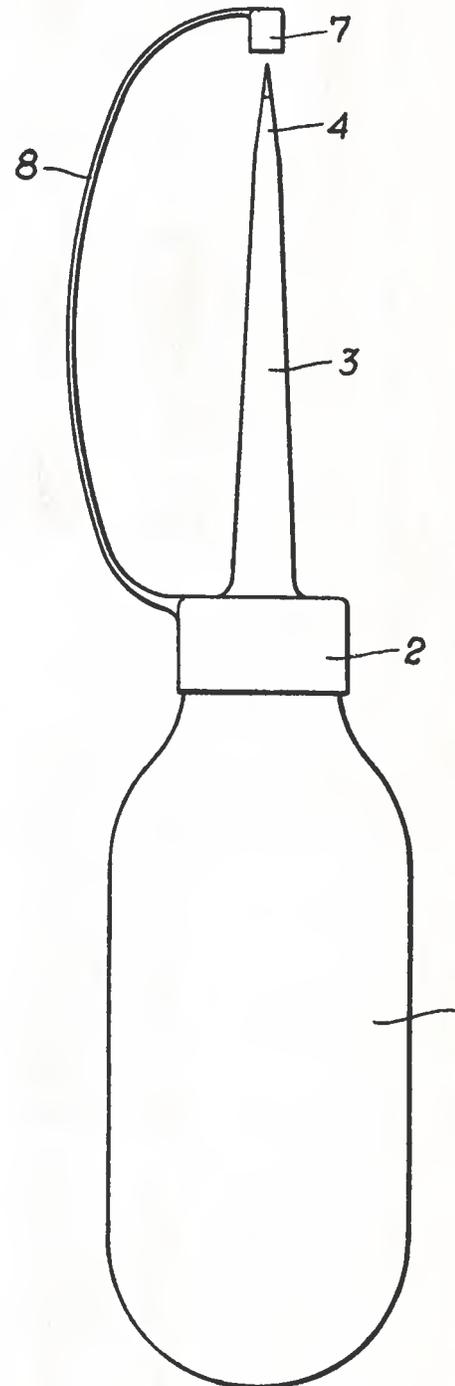
Item 1999 — Window Ventilator
Article 1999 — Ventilateur de fenêtre



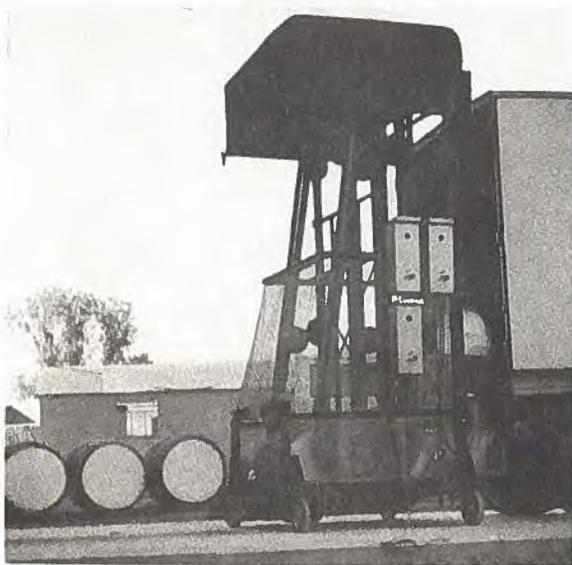
Item 1997 — Hydraulic Pipe Coupling
Article 1997 — Manchon pour tuyaux d'eau



Item 2004 — Rotary Garbage Collection Unit
Article 2004 — Appareil rotatif pour cueillir les ordures ménagères



Item 2008 — Dental Flushing Device
Article 2008 — Poire à curer les dents



Item 2003 — Barrel and Drum Loader/Unloader
Article 2003 — Chargeur et déchargeur de barils et de tonneaux

DEPARTMENT OF
CORPORATE AFFAIRS
1989
MINISTRY DE LA
CORPORATION ET DES CORPORATIONS