

# 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:

**Chief, 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 188

INDUSTRIE, SCIENCE AND  
TECHNOLOGY CANADA  
LIBRARY

AUG 13 1996

BIBLIOTHEQUE  
INDUSTRIE, SCIENCE ET  
TECHNOLOGIE

AUGUST, 1971

## Cutting Tool Bit and Holder

Item 2450

British firm is seeking a licensing arrangement with a Canadian company to manufacture and market its range of cutting tool holders and disposable inserts. The product is used in the engineering industry for threading, forming and grinding applications. Each insert is mounted vertically on edge in a precision vee seat thereby transmitting all cutting forces to the centre of the seat. The tools are designed to give the carbide inserts maximum support resulting in increased cutting edge life. Toolholders are manufactured in a wide range of popular shank sizes. Preferred licensee would be a manufacturer of tungsten carbide cutting tools. Literature available. See illustration.

## Dry-Forming Process for Paper and Non-Wovens

Item 2451

Danish firm offers under license the Canadian production and marketing rights covering its process for dry-forming a wide range of fibres into sheets and bats. The firm has developed about 800 different products in its laboratories and pilot-plants, e.g. textile-like products of cellulose fibres for making disposable bedsheets and other consumer products; paper, made according to the dry process with no hydrogen bonding thus permitting deep embossing of wallpapers and other building materials; reconstituted leather in rolls made from leather scrap; building materials, cardboard, etc. made from a wide range of waste fibres such as hay, banana fibres, and man-made fibres. Literature available.

## Lightweight Structures

Item 2452

South African inventor offers under license the Canadian rights to his patented method of prefabricating rigid building elements of folded metal or plastic sheets. According to the inventor, these lightweight structures are load-bearing and do not need supporting frames and skeletons. The process covers such building elements as slabs, panels, decks, roofs, walls, pipes, etc. The process is claimed to have a multitude of applications. The elements are welded by a unique high pressure, continuous welding process. Literature available.

**Tube Couplings****Item 2453**

British firm is seeking a licensing arrangement with a Canadian manufacturer to produce and market its tube couplings designed for hydraulic and pneumatic systems. The couplings were developed to meet the demand for re-usable joints in high pressure systems, using thin walled tubes. Using these couplings, joints may be broken down and remade for servicing purposes, without cutting off the tube ends. No replacement parts are necessary with the possible exception of the "O" ring. The couplings may also be used with thick walled tubes. Literature available. See illustration.

**Tube Expanders****Item 2454**

American company offers under license the Canadian manufacturing and marketing rights to its line of tube expanders and accessory tooling. This equipment is used in the construction and repair of commercial and marine boilers, heat exchangers, etc. where expansion of a tube into a tube sheet is required. The company claims that the automatic cycle of this equipment makes it possible to train a man to operate it in only a few minutes. The unit, with two gear changes, will expand tubes from 3/8" O.D. to 1 1/2" O.D. and its fast expansion cycle nearly doubles the life of the mandrel and rolls. Literature available. See illustration.

**Linear Measuring Equipment, Step and Repeat Machine****Item 2455**

British firm offers the Canadian production rights and the North American marketing rights for its linear measuring instrument and its manually operated step and repeat machine. The linear measuring instrument consists of a glass graticule operating in conjunction with a dial indicator gauge and a three-element magnifier which gives a sharp, clear image magnified eight times. It is used for checking negatives, measuring material shrinkage/stretch, and accurately measuring any flat surface. The rapid repeater machine is claimed to provide high speed, low capital cost production of precision negatives or positives for making printed circuits, nameplates, dials, labels, etc. The result of years of experience in the litho and silk-screen field, the machine incorporates dial indicators for greater accuracy. Literature available. See illustration.

**Mixer-faucet****Item 2456**

Swiss company offers to a Canadian manufacturer the production and marketing rights, as well as possible export rights to other countries, for its mechanical mixer-faucet. This faucet, designed primarily for use in bathrooms and on sinks, is composed of a piston with two series of slits; the piston's ball joint allows for the adjusting of the hot and cold water slits and the control of the outcoming water to any temperature or rate of flow. Its major advantages are the following: its great simplicity, its economical manufacturing and its adaptability to all kinds of pipes and fixtures. Literature available. See illustration.

**Girder Clamps****Item 2457**

New Zealand firm seeks Canadian licensee to manufacture and market its girder clamps. These clamps are attached to a girder with a bolt which varies in length according to the width of the girder flange; the clamps are designed to fit varying thicknesses of flange. By this invention it is claimed that any service such as air conditioning, lighting, plumbing, etc., can be fitted to a building at any time without the need to weld gussets onto the girders. The clamps are made from 14 gauge galvanised sheet strips in a die that punches five different sizes in a 65 ton punch press. Literature available. See illustration.

**Anti-Jackknife Device for Tractor-Trailers****Item 2458**

American inventor offers the Canadian production and marketing rights for his anti-jackknife device for tandem and tractor-trailer vehicles. The object of this invention is to provide an improved means for preventing jackknifing between a towing vehicle and a towed vehicle when the brakes are applied. The device is claimed to maintain the towed vehicle in a straight line condition behind the towing vehicle but may be released when desired, e.g. when backing up or making a sharp turn. Literature available.

**Sauna Cabinet****Item 2459**

British inventor offers the Canadian production and marketing rights for his coin-operated sauna cabinet. Run on the same principle as a coin laundrette, the unit consists of an individual cabinet wherein the person sits with the door shut, his head outside, controlling the heat as desired. The claimed advantages of this invention are that it is easily installed and economical to operate. The coin-feed mechanism automatically switches the heater to the desired temperature and cuts it off when the time has expired. Suitable for homes, hotels, motels, beauty salons, sports clubs, etc. Literature available.

**Tracked Vehicle****Item 2460**

American inventor is seeking a licensing arrangement with a Canadian firm to manufacture and market his tracked vehicle. The flexible track and chassis combination is claimed to combine the advantages of industrial, all-terrain and amphibious vehicles with the manoeuvrability, speed and soft-riding qualities of passenger vehicles. This all-terrain vehicle has a multiplicity of uses on both land and water. The unique track can be adapted to other kinds of vehicles. Literature available.

**Expandable File Folders****Item 2461**

Dutch firm seeks Canadian licensee to produce and market its multi-purpose, expandable filing folders. The folders are easily accessible, and closed with an elastic clip. The flexible back expands only as far as the space required by the contents of the folder at any given time. Several sizes are available. The smaller sizes are particularly suitable for card indexes, the larger sizes for magazines and periodicals. The folders can be filed upright, like a book, even if they only contain one or two documents. Literature available. See illustration.

**Design for Skating Rinks, Cold Storage Plants****Item 2462**

French company offers to a Canadian manufacturer the production and marketing rights in Canada and possibly in the United States for a process used in constructing skating rinks and cold storage plants. The design consists of a corrugated plate and a flat plate of glass-resin laminate bonded together, the channels thus formed being used for circulating the cold-producing fluid. For skating rinks, water is applied to the flat plate to produce a skating surface. In such applications a subbase of rigid polyurethane foam is moulded onto the underside of the corrugated sheet. The design can also be used for constructing cold storage rooms and for other applications. Literature available. See illustration.

**Rotary Milking System****Item 2463**

Australian inventor offers under license the Canadian production and marketing rights for his rotary milking plant. The system consists of a platform of all steel construction running on steel rail. The elevated platform is 20' in diameter and is driven at the rate of one revolution every 6 1/2 minutes. The milking plant is mounted under the platform and revolves with it. Milk is pumped from the milk interceptor under the platform to a bulk tank in the milk room. The inventor claims the system increases milking efficiency with output of 120 cows per hour per operator, improves herd care and health, and increases operator convenience. Literature available. See illustration.

**Toilet Cover Chair****Item 2464**

Canadian inventor seeks Canadian licensee to manufacture and market a toilet cover chair. Used as a cover, the chair hides the toilet and water box and provides at the same time an attractive, comfortable chair. The chair has particular application for sick and elderly people as well as young children, permitting them to use the toilet unaided and preventing falls. The cover chair has an opening at the back to permit flushing of the toilet without removing the cover. Compartments are located in the arms and at the front of the chair to hold extra toilet paper and cleaning supplies. Literature available. See illustration.

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

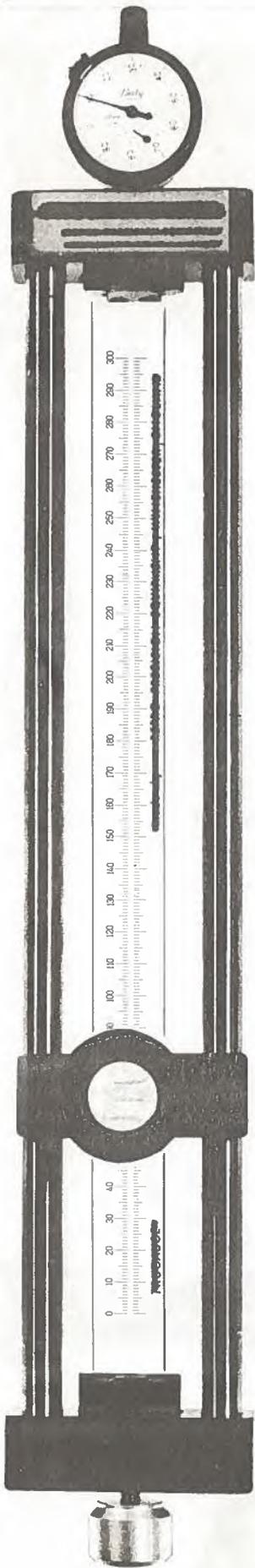
**Canadian Patents and Development Limited,  
275 Slater Street,  
Ottawa, Canada.  
K1A OR3**

**Digital Bit Timing Recovery Servo****Case 4516**

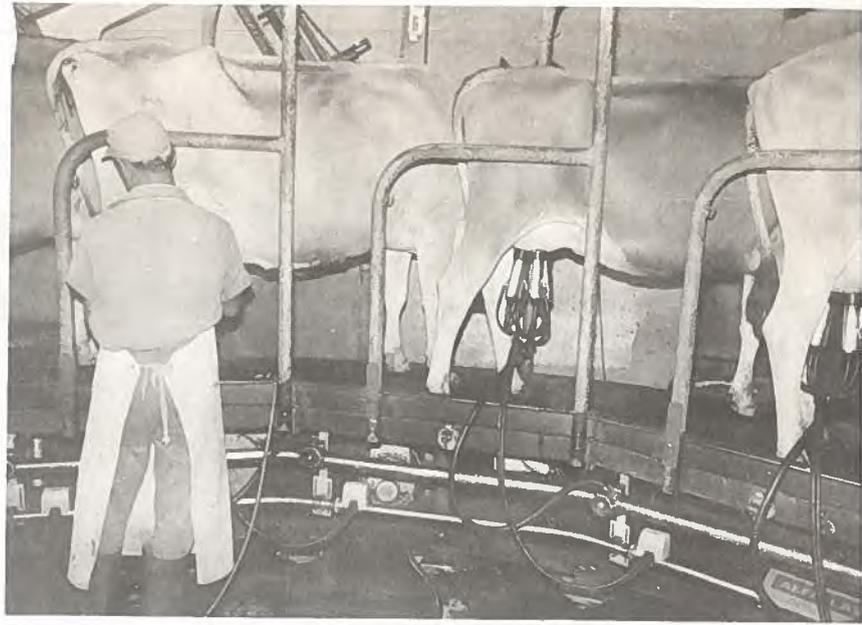
A synchronizing circuit that will advance or retard a local timing pulse train to phase lock it with an incoming data signal of the non-return-to-zero kind. Synchronization is achieved in no more than three data pulses and none of the data is lost.

**Phase-Locked Tracking Filter****Case 4629**

A filter for use in magnetometer or electromagnetic prospecting, that automatically tunes itself to minimize phase differences between input and output voltages, thus providing maximum noise rejection. The Q of the filter remains constant.



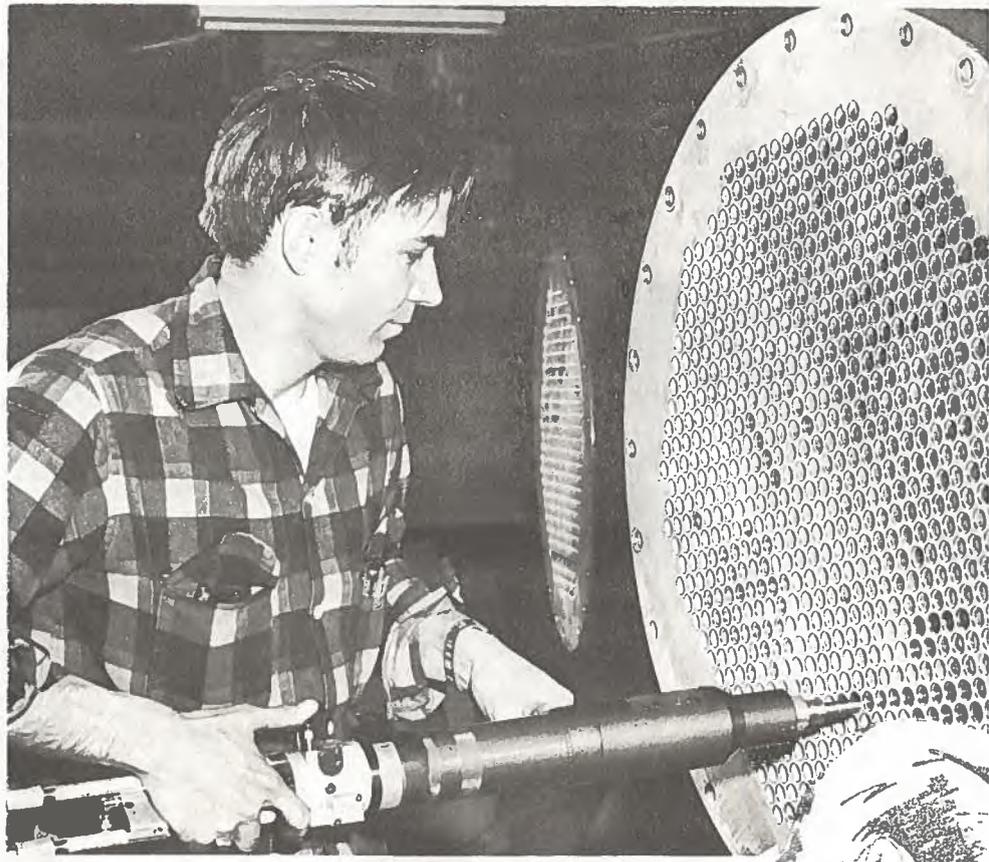
Item 2455 — Linear Measuring Equipment,  
Step and Repeat Machine  
Article 2455 — Matériel de mesure linéaire  
Machine à répétition rapide



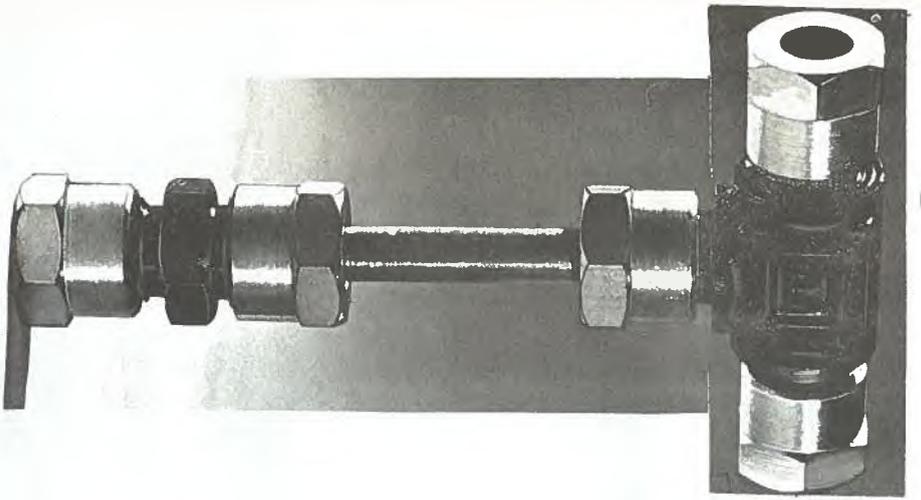
Item 2463 — Rotary Milking System  
Article 2463 — Système rotatif de traite des vaches



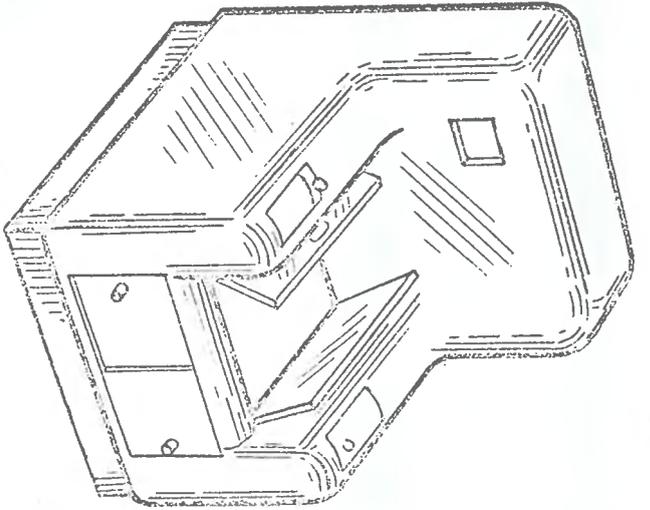
Item 2461 — Expandable File Folders  
Article 2461 — Dossiers à serrage élastique



Item 2454 — Tube Expanders  
Article 2454 — Expanseur de tubes



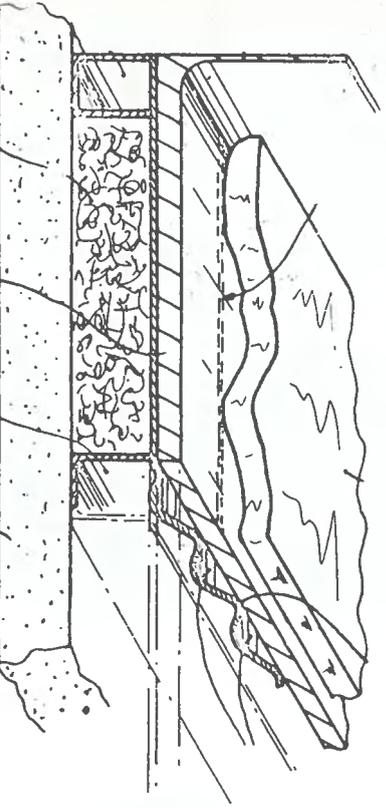
Item 2453 — Tube Couplings  
Article 2453 — Raccords de tuyaux



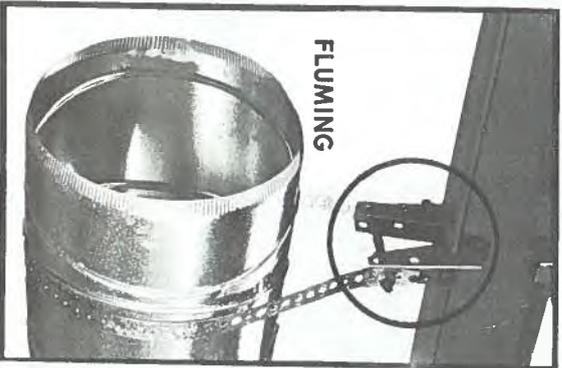
Item 2464 — Toilet Cover Chair  
Article 2464 — Chaise d'aisances



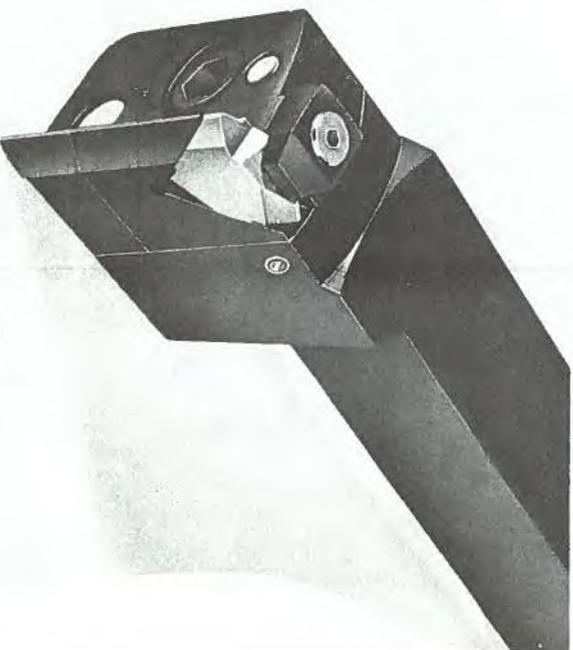
Item 2456 — Mixer-Faucet  
Article 2456 — Robinet — Mélangeur



Item 2462 — Design for Skating Rink Cold Storage Plants



Item 2467 — Flaming Process



Item 2450 — Cutting Tool Bit and Holder