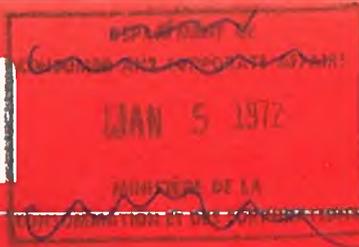


# new products bulletin



INDUSTRIAL AND TRADE ENQUIRIES DIVISION

DEPARTMENT OF INDUSTRY, TRADE AND COMMERCE  
OTTAWA  
CANADA

*Consumer Research*

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 192

### Roll Formed Metal Sheets

British firm is seeking a licensing or joint venture arrangement with a Canadian company to manufacture and market its metal cladding sheets for roofs and walls. The system incorporates metal forming concepts which results in a machine possessing fewer stands of rolls. Additional profiles from one machine can be produced by a raft or cartridge system. Three types of profiles are available incorporating hidden fastening systems that do not require the sheeting to be punctured for fixing purposes. The profiles can be produced from galvanised steel and aluminum as well as colour finished steel and aluminum. Literature available. See illustration.

### Moulding Machine

American company offers under license the Canadian manufacturing and marketing rights to its rotational moulding machine which can be used to produce tanks, drums, waste receptacles and other one-piece polyethylene products. It is claimed that this machine can be manufactured at a low cost and that skilled operators are not required. Licensor will provide technical training at his plant and continuing advice on additional plastic items the machine can produce as they are developed. Literature available.

### Air Pollution Control Equipment

German firm seeks a Canadian licensee to manufacture and market its air pollution control equipment of the "wet scrubber" type. This equipment consists of a rotating drum which is immersed in a cleansing fluid. The drum is equipped with three perforated mantels formed of circular borings. The chambers between the mantels are filled with floating rings and impact plates. This apparatus is suitable not only for separating solid particles such as dust from the air, but also for removing gaseous ingredients. Literature available. See illustration.

### EDP Terminal Cassettes System

French firm offers under license the Canadian production rights and the North, Central and South American marketing rights to a new system of magnetic electronic data processing terminal cassettes. This system consists of a keyboard, video screen, processor, cassette recorder-reader unit and a console containing electronic circuitry. This multi-purpose terminal is designed to collect and enter, to count, check, search and retrieve, to automatically acquire, display, receive, send and store data on magnetic tape contained in a cartridge. It is claimed to be less costly than other systems, to be reliable and to provide simple software for the user. Literature available. See illustration.

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Office of the Deputy Minister  
Department of Consumer and Corporate Affairs  
BUREAU DU SOUTIEN  
Ministère de la consommation et des opérations

JAN 5 '72

DECEMBER, 1971

Item 2510

Item 2511

Item 2512

Item 2513

**Milling Machines****Item 2514**

British firm offers to a Canadian manufacturer the Canadian production rights and marketing rights for Canada and possibly the United States covering its line of milling equipment, including numerically controlled units. These machines are suited to a wide range of tool room and production applications, like die and mould milling, copy, profile and continuous path milling. They are claimed to combine strength and rigidity with time-saving speed and precision. Average savings in milling costs with these machines are claimed to be 30-50%. Literature available. See illustration.

**Hydraulic Vibratory Equipment****Item 2515**

British firm is seeking a licensing arrangement with a Canadian firm to manufacture and market in Canada and possibly the United States its hydraulic vibratory equipment. This system consists of a hydraulic drive unit equipped with a vibratory conveyor for conveying, sieving, de-watering and feeding. Features include positive action, both horizontally and on upward inclines, steady feedrate, infinitely variable feed control, lower power consumption and silent operation. Since no electronics are involved, equipment is unaffected by a wet or damp environment. Literature available. See illustration.

**Automatic Weighing Machines****Item 2516**

Czechoslovakian state trading corporation offers under license the Canadian manufacturing and North American marketing rights to an automatic weighing machine for bulk materials. These machines are equipped with devices for digital indication and recording of the weight and number of batches. All functions, including starting and stopping, can be remotely controlled. These machines are used in mills, malt houses, warehouses, food processing plants, oil refineries, etc. Literature available.

**Heating Unit****Item 2517**

American inventor offers the Canadian production and marketing rights for his heating unit which can be used in place of a conventional fireplace. This unit consists of a vertical cylinder in the shape of a hollow bowl with several clear or coloured glass windows between which are located vertical elongated air intake openings. Air enters through the intakes, swirls around the box and rises in a spiral up through the flue. The fire box radiates heat and produces a beautiful lighting effect. It is claimed that the unit can be installed directly on wood floors or carpets. Literature available. See illustration.

**Damper for Pneumatic Tools****Item 2518**

Czechoslovakian state trading corporation seeks a Canadian licensee to produce and market a noise damper for pneumatic hand tools. To reduce the noise of pneumatic hammers, etc. an inside damping casing with a large number of holes and an outside damping casing with a protective envelope are slipped onto the body of the hand tool. The casings are made of different materials such as impregnated felt. Impacts of used compressed air are damped and smoothed in the inside and outside casings and the used air passes away through the bottom portion of the casing. It is claimed that the level of noise is reduced by as much as 10dB. Literature available.

**Flowbox****Item 2519**

British firm is seeking a licensing arrangement with a Canadian company to manufacture and market its flowbox for paper and paperboard making machines. It consist of a complete stock flow approach system with means for supplying a level flow of a fibrous suspension at relatively high consistencies in comparison with conventional practice. The machine involves simple and light structure engineering and is of clean design which minimizes pockets of stagnant material. Literature available. See illustration.

**Self-Locking Nut****Item 2520**

British firm offers under license the Canadian production and marketing rights to its self-locking nut for use on railway tracks. Standard fishbolt nuts and ordinary hexagon nuts are converted into self-locking nuts by the addition of a nylon collar keyed into the body of the nut. Chief advantage claimed is the added safety factor since this nut will not vibrate loose. Conversion can be carried out on existing nuts in order to avoid the expense of buying new ones. Literature available. See illustration.

**Wet Sulphidizing at Room Temperature****Item 2521**

Hungarian state trading corporation offers under license the Canadian rights to a wet sulphidizing process for imparting wear resistance to heavy machine parts. The sulphide diffusion treatment is carried out at room temperature in a water bath and is claimed to have many advantages over existing processes. e.g. low equipment costs, absence of toxic vapours, and ability to treat large parts such as trunnions, piston rings and gears. This treatment is claimed to increase the abrasion resistance of the parts and to reduce friction. Literature available.

**Rust and Scale Remover****Item 2522**

Hungarian state trading corporation offers under license the Canadian production rights and the North American marketing rights to a chemical for removing scale and rust from metal surfaces. This chemical is claimed to be more efficient than competing products, to remove only the oxides and leave the bare metal unaffected, and to protect metallic surfaces for periods of 4 to 6 months. It can be used as a surface treatment preliminary to painting and as a derusting and descaling agent in closed system boilers and motor vehicle cooling systems. Literature available.

**Industrial Mixing Machine****Item 2523**

American inventor offers the Canadian production and worldwide marketing rights for his self-discharging mixing machine. According to the inventor, this machine solves the problem of adherence of thick, non-flowing sticky and viscous products to the mixing chamber. A complete discharge of the mixed product is accomplished by a simple piston-in-cylinder movement of one of the end plates. The other end plate is also capable of movement, though not required in many operations. This machine has not yet been commercially produced. Literature available.

**Automatic Rotating Division Plate****Item 2524**

French company wishes to negotiate a license with a Canadian manufacturer for the production and marketing of its automatic rotating division plate. This system consists of an automatic-cycle division plate for feeding parts in different work units. The device can operate on a continuous or intermittent cycle. The motor, set some distance away, is sheltered from oil splashes or ejected materials and leaves the working area around the plate clear. The device has been marketed in three different models. Literature available.

**Magnetically Driven T.V. Antennas****Item 2525**

American company offers a licensing arrangement to a Canadian manufacturer to produce and market its magnetically driven T.V. antennas. These antennas consist of parasitic elements only and are driven magnetically by a section of transmission line. Models for both single-channel and broadband operation are available. These antennas are claimed to possess inherent advantages in design flexibility, performance and cost over other antennas currently on the market. Material used is mainly aluminum tubing and sheet, and a few plastic moulded parts. Literature available. See illustration.

**Carpet Shearing Machine****Item 2526**

Dutch firm offers under license the Canadian production and marketing rights to its 3-cylinder carpet shearing machine. The machine consists of three units having a working width of 18 feet. Each unit is fitted with a complete cutting system with bed and brush on the pile side. The first unit has, in addition, a brush at the back. For transporting the cloth, the third unit is equipped with a pull roller and the first unit with a brake roller. The cutting system consists of a knife carrier equipped with tensioning gears in horizontal and vertical directions. The brushes and the cutting system are fitted with an exhaust system. Literature available.

**Battery Holder****Item 2527**

Canadian inventor is seeking a licensing arrangement with a Canadian firm to manufacture and market in the United States and Canada his battery holder or case with special switching system. The purpose of this invention is to reduce corrosion of the batteries and to offer greater versatility in its application. The case is ventilated and is equipped with retractable sections and specially made contact inserts. While the power is off, the batteries are physically separated, thus preventing chain action corrosion. This invention can be used as a hand light or as a battery holder for equipment. Literature available.

**Teeter-Totter****Item 2528**

American inventor offers under license the Canadian manufacturing and marketing rights to its new concept of seesaw or teeter-totter. Since the unit sets directly on the ground, no balancing horse is required. While sitting on it, children do not sit opposite but are offset from each other; the unit pivots and "walks" as they push with their feet. The length and size may be varied for different age groups. Multiple units can be made for school playgrounds. Literature available. See illustration.

**ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CANADIAN PATENTS TO:**

**Office of the Assistant General Counsel for Patents,  
U.S. Atomic Energy Commission,  
Washington, D.C.  
20545**

These patents are available for manufacture under license in Canada. Copies of abstracts of the patents are available from: Industrial and Trade Enquiries Division, Department of Industry, Trade and Commerce, Ottawa K1A 0H5. Copies of the patents may be obtained for \$1.00 each from Information Canada, Ottawa K1A 0S9. Cheques or money orders should be made payable to the Receiver General of Canada.

<u>Title/Titre</u>	<u>Patent No./N° du brevet</u>
A Fluid Actuated and Regulated Artificial Implantable Heart System Système de coeur artificiel à fonctionnement et régularisation par fluide	873,951
An Energy Independent Radiophotoluminescence Dosimeter with Good Fading Stability Dosimètre radiophotoluminescent, indépendant d'énergie et ayant une bonne stabilité de fluctuations	873,483
Centrifugal Casting Apparatus Dispositif de moulage centrifuge	861,393
Corrosion-Resistant Uranium Uranium résistant à la corrosion	866,164
Environmental Gas Monitor for Radioactivity Indicateur de gaz radioactif ambiant	866,316
Gage Device for Measurement of Density Profiles of Snowpack Dispositif pour mesurer la densité des profils d'amas de neige	861,635
Gold Recovery Process Procédé de récupération de l'or	856,166

High Power Hydrogen Thyatron Thyatron à hydrogène à haute puissance	871,305
High Pressure Preparation of Yttrium Sesqui Carbide Préparation à haute pression de sesquicarbure d'itrium	868,808
Implantable Circulatory Support System Système d'assistance à la circulation	864,154
Improved Position-Sensitive Radiation Detector Décteur amélioré de radiations à sensibilité de position	875,125
Ion Exchange Process for Recovering Americium and Curium Procédé d'échange d'ions pour la récupération de l'américium et du curium	855,640
Irradiation Device Dispositif d'irradiation	864,656
Method for Detecting One of Heavy Water and Ordinary Water in the Presence of the Other of Heavy Water and Ordinary Water Méthode pour détecter l'eau lourde et l'eau ordinaire en présence d'eau lourde et d'eau ordinaire	856,383
Method of Forming a Lubricating Uranium Oxide Coat on Uranium Metal Méthode pour former un film lubrifiant d'oxyde d'uranium sur le métal d'uranium	857,840
Method of Making Uranium Dioxide More Reactive Méthode pour rendre le bioxyde d'uranium plus actif	862,003
Method of Reducing a Radioactive Waste Solution to Dryness Méthode pour réduire une solution de déchet radioactif à l'état de siccité	871,812
Method of Storing Liquids Underground Méthode de stockage de liquides en terre	873,637
Non-Contact Eddy Current Instrument Instrument de courants parasites sans contact	866,372
Parallel Flow Hemodialyzer Hémodialyseur à écoulement parallèle	865,518
Preparation and Purification of Crystalline Boron Préparation et purification du bore cristallin	864,429
Preparation of the Rare Earth Sesquicarbonates Préparation de sesquicarbonates de terre rare	859,621
Production of High Density Compactible Thoria from Aqueous Solutions of Thorium Nitrate Production de thorie de forte densité à partir de solutions aqueuses de nitrate de thorium	875,460
Protection Circuit Having Extended Range Fuse Characteristics Circuit de protection ayant des caractéristiques de fusibles à variations étendues	858,734

Radiation Treatment of Mine Waste Waters Traitement à la radiation des eaux résiduelles des mines	855,677
Roller-Band Devices Dispositifs de rubans de rouleaux	863,795 864,397
Self Regenerating Storage Battery Accumulateur auto-régénérateur	856,921
Suit Heater Réchauffeur de vêtements	861,642
System for Removing Particles from a Fluid by Means of an Electric Field Système pour enlever les particules d'un fluide au moyen d'un champ électrique	873,998
Treatment of Steel Traitement de l'acier	861,462
Vapor Quality Measuring Device Dispositif pour mesurer la qualité de la vapeur	864,676

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

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

**High Capacity Elevator for Particulate Solids**

**Case 4660**

For vertical and steeply inclined conveying. Smooth operation is ensured by the use of a low velocity gas stream and specially designed deflectors. No moving parts.

**Digestive Fat Absorption Indicator**

**Case 4689**

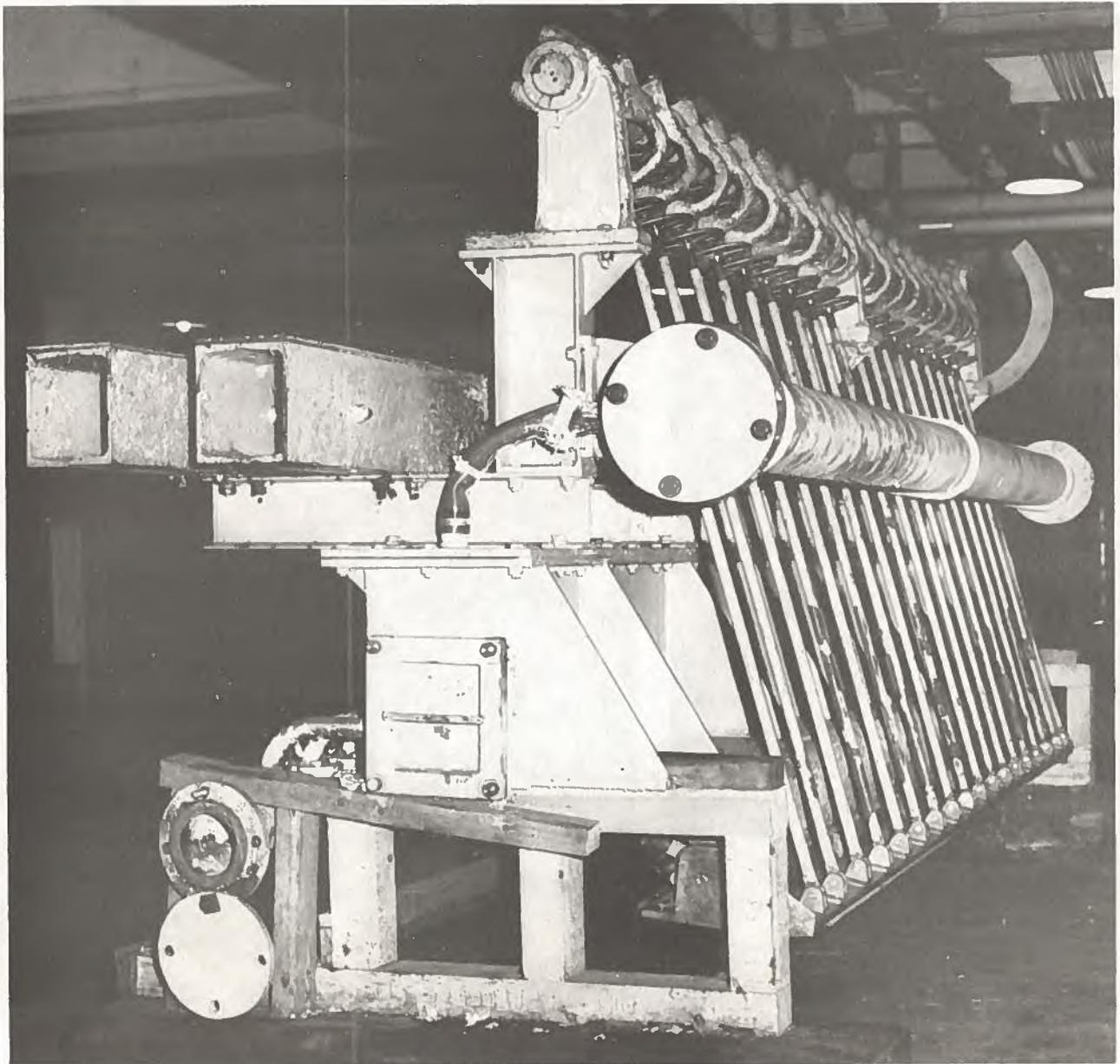
A dietary composition, including method of use, for determining the absorption of fat and associated materials during passage through the digestive tract. The indicator remains in association with the lipid phase so that both the location and extent of the absorption can be determined.



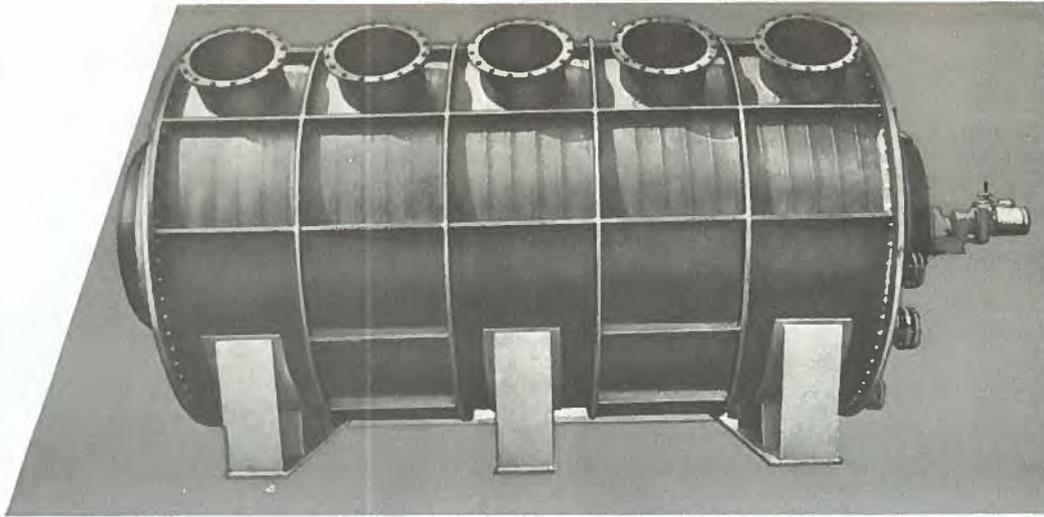
Item 2515 — Hydraulic Vibratory Equipment  
Article 2515 — Appareillage vibratoire hydraulique



Item 2528 — Teeter-Totter  
Article 2528 — Bascule



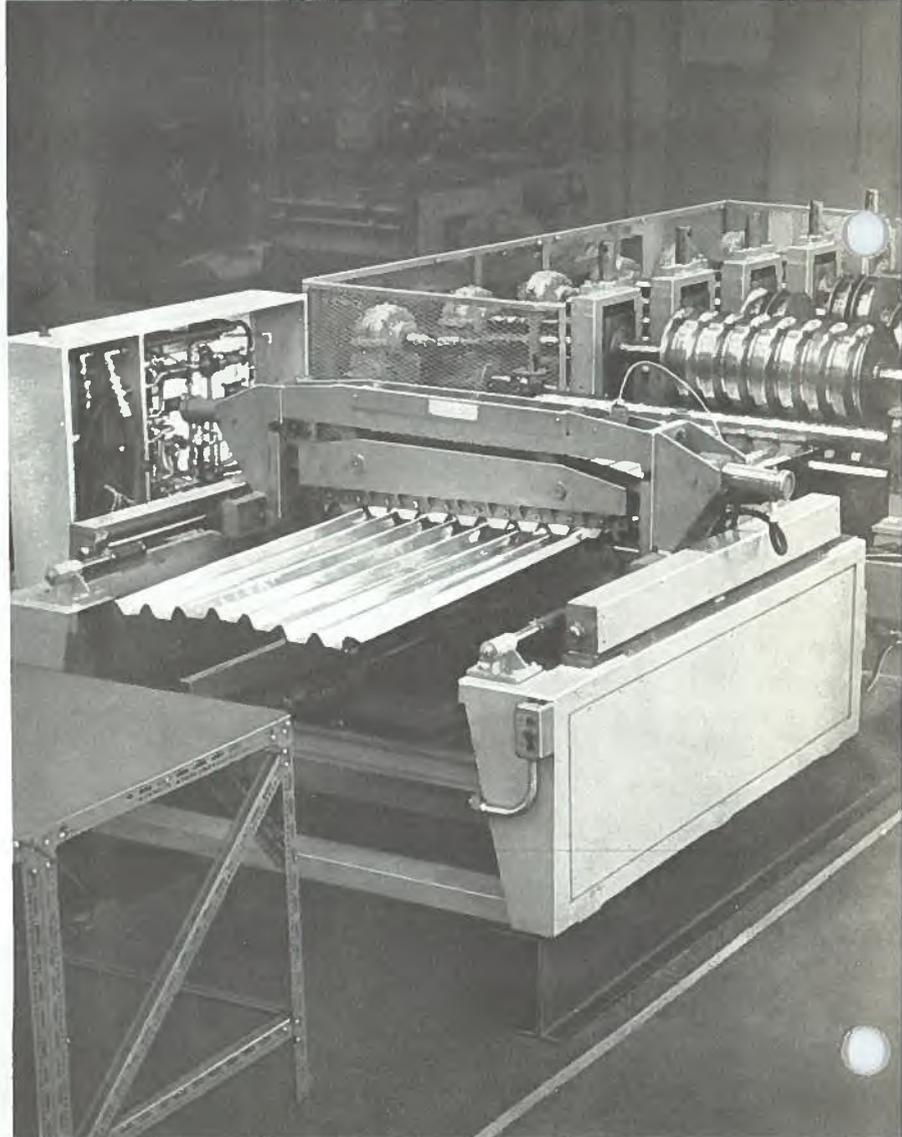
Item 2519 — Flowbox  
Article 2519 — Châssis de débit



Item 2512 - Air Pollution Control Equipment  
Article 2512 - Appareil de contrôle de pollution de l'air



Item 2517 - Heating Unit  
Article 2517 - Unité de chauffage



Item 2510 - Roll Formed Metal Sheets  
Article 2510 - Profilés métalliques



