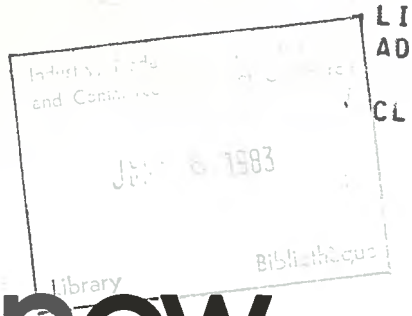


new products bulletin

bulletin de produits nouveaux

Bulletin 328, May 1983

Bulletin 328, Mai 1983

new products bulletin

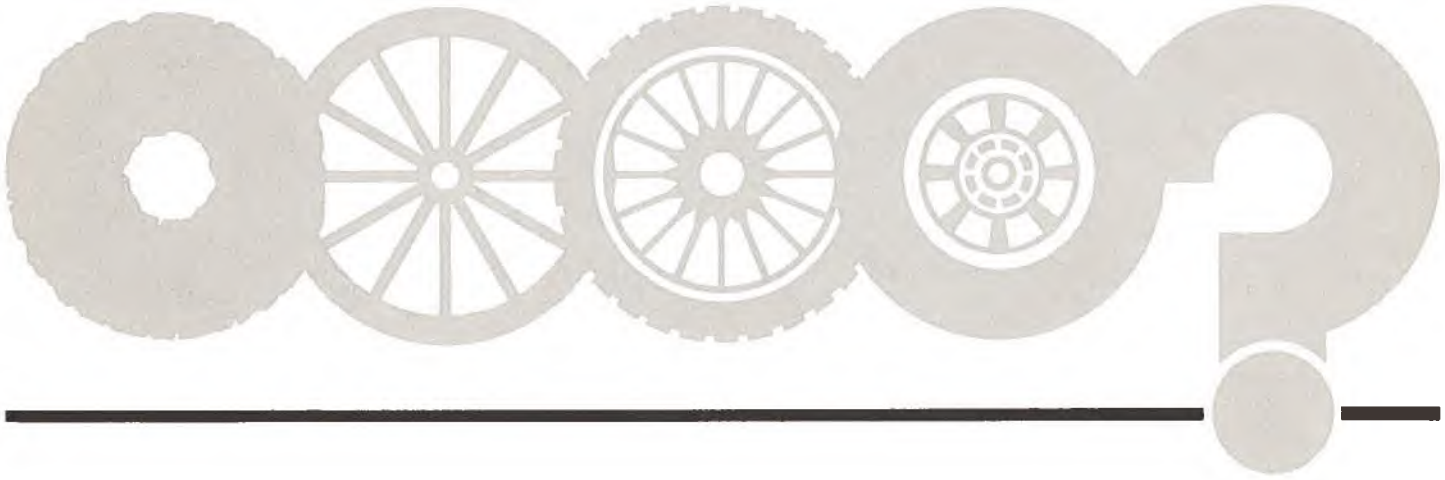
bulletin de produits nouveaux

This monthly bulletin is published to inform Canadian industry of licensing and joint venture opportunities that may be investigated for the purpose of forming manufacturing affiliations. The Department cannot assume any responsibility for claims made or for transactions which ensue from the publication of any items in this bulletin. If you are interested in any of the proposals you should contact the correspondent identified with the item and send a copy of your initial correspondence to the Canadian Government Trade Commissioner responsible for the area at the address indicated, in order that he can provide appropriate assistance or commercial information.

The Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5 (telephone: (613) 995-5771) should be advised of any agreements concluded as a result of this publicity.

Publié tous les mois, le présent bulletin a pour objet d'informer l'industrie canadienne des occasions de fabrication sous licence et d'entreprises en participation qu'il est possible d'étudier aux fins de constituer des affiliations manufacturières. Le Ministère ne peut assumer aucune responsabilité à l'égard des réclamations ou transactions découlant de la publication d'articles dans le présent bulletin. Si l'une ou l'autre des propositions vous intéresse, auriez-vous l'obligeance de communiquer avec le correspondant et transmettre copie de votre premier échange de correspondance au délégué commercial du Gouvernement du Canada qui s'occupe de la région en cause, à l'adresse indiquée, afin qu'il puisse vous fournir l'aide ou les renseignements commerciaux pertinents.

Prière d'informer la Section des possibilités de licences (ABLO), Direction du développement des marchés, ministère de l'Industrie et du Commerce et de l'Expansion économique régionale, Ottawa (Ontario) K1A 0H5 (tél. (613) 995-5771), de toute entente intervenue à la suite de la présente publicité.



Selected Licensing or Joint Venture Manufacturing Opportunities

Efficient Laser Generation of Surface Acoustic Waves/328

The invention provides high frequency high amplitude surface acoustic waves that can be used in non-destructive ultrasonic techniques for analysing the surface of a material, e.g., in the detection of flaws and cracks. Write: **Case 7420**, Canadian Patents and Development Limited, 275 Slater Street, Ottawa, Canada K1A 0R3 and send a copy of your initial correspondence to Licensing Opportunities Section (ABLO), Market Development Branch, Departments of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Three Dimensional Puzzle/328

Canadian inventor offers industrial design rights to a Canadian company to manufacture, and distribute in Canada and the U.S.A., its "Jole Ball" three dimensional puzzle which consists of a spherical-shaped base with three circular paths on its surface. The three paths are perpendicular to each other and each comprises two parallel, side-by-side tracks. Markers are slidably mounted in each track for movement about the base, each track being filled with a ring of adjacent markers. The markers can be moved from one track to the other. The winner has to group the 144 markers around the eight triangles corresponding to the same color of the markers (18 markers of one color per triangle — 18 markers × 8 triangles = 144 markers). It is said to be simple to make, inexpensive and yet more complicated to resolve than other similar puzzles. U.S. patent pending. (See illustration page 15.) Write: Mr. Jocelyn Lemelin, P.O. Box 12, St. Gervais, Quebec G0R 3C0 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Prefabricated Glider Swing/328

American inventor offers a Canadian company the licensing rights to manufacture and distribute, under U.S. Patent 3,994,468, its prefabricated glider swing which is assembled from sub-assemblies by means of a set of uniformly sized bolts. The seat section is supported between a pair of rectilinear frame members which in turn are pivotally suspended respectively from the outer portion of a pair of base members. The entire assembly is made of wood and the stock which is used to form the rectilinear frame members and the base members are uniformly sized. Made for indoor or outdoor use, the structure can be easily assembled as

Sélection d'occasions de fabrication sous licence ou d'entreprises en coparticipation

Génération par laser d'ondes acoustiques de surface/328

Dispositif produisant des ondes acoustiques de surface hautes fréquences de forte amplitude pouvant servir au contrôle ultrasonique non destructif de la surface de matériaux (par exemple: détection de défauts et de criques). Écrire: **Cas 7420**, Société canadienne des brevets et d'exploitation limitée, 275, rue Slater, Ottawa (Canada) K1A 0R3 et faire parvenir une copie de votre correspondance initiale à la Section des possibilités de licences (ABLO), Direction du développement des marchés, ministère de l'Industrie et du Commerce et de l'Expansion économique régionale, Ottawa (Ontario) K1A 0H5.

Casse-tête tridimensionnel/328

Un inventeur canadien offre à une société canadienne les droits de dessin industriel pour la fabrication et la distribution au Canada et aux États-Unis, de son casse-tête tridimensionnel qui se compose d'une base sphérique comprenant trois anneaux plats. Les trois anneaux sont perpendiculaires et chacun porte deux rangées de carreaux coulissant dans des rainures, chaque rainure étant remplie de tels carreaux, de telle sorte que ceux-ci peuvent être déplacés dans tous les sens, y compris d'une rainure à l'autre. Pour réussir le casse-tête, le joueur doit grouper les carreaux (il y en a 144) autour des triangles (8) de la couleur correspondante (18 carreaux par triangle). L'inventeur prétend que son jeu est plus simple et moins coûteux à faire que les autres casse-tête semblables, bien qu'il soit plus complexe à réussir. Un brevet américain est en instance. (Voir l'illustration page 15.) Écrire à: M. Jocelyn Lemelin, C.P. 12, Saint-Gervais (Québec) G0R 3C0 et faire parvenir une copie de votre correspondance initiale à la Section des possibilités de licences (ABLO), Direction du développement des marchés, ministère de l'Industrie et du Commerce et de l'Expansion économique régionale, Ottawa (Ontario) K1A 0H5.

Fauteuil va-et-vient préfabriqué/328

Un inventeur américain offre à une entreprise canadienne les droits de licence pour la fabrication et la vente, sous le numéro de brevet É.-U. 3,994,468, de son fauteuil va-et-vient préfabriqué assemblé au moyen de divers éléments fixés par un jeu de boulons d'égale grosseur. Le siège est soutenu par deux cadres rectilignes suspendus par des pivots du côté extérieur des traverses de la base. L'ensemble complet est en bois et les pièces utilisées pour former les éléments rectilignes et ceux de la base sont de mêmes dimensions. Utilisables tant à l'intérieur qu'à l'extérieur, l'article peut être facilement assemblé sans grande habileté

a single seat or love seat type unit, with little technical knowledge. The glider swing would be ideal for toys, children or adults. (See illustration page 16.) Write: Mr. Floyd Carter, Prefabricated Glider Swing, P.O. Box 1082, Alamena, California 94501 and send a copy of your initial correspondence to Canadian Consulate General, One Maritime Plaza, Alcoa Building, Suite 1100, Golden Gateway Center, San Francisco, California 94111-3468, U.S.A.

technique, sous forme de fauteuil ou de causeuse. Il peut être fort attrayant, tant pour les enfants que pour les adultes. (Voir l'illustration page 16.) Écrire à M. Floyd Carter, Prefabricated Glider Swing, P.O. Box 1082, Alamena (Californie) 94501 et faire parvenir une copie de votre correspondance initiale au Consulat général du Canada, One Maritime Plaza, Alcoa Building, Suite 1100, Golden Gateway Center, San Francisco (Californie) 94111-3468, (É.-U.).

Wood Waste Process/328

French firm offers through its International Patent Consultants, to a Canadian company located in the vicinity of sawmills, woodworking establishments and/or papermills, the licensing rights to set up a processing plant, to transform sawdust, wood shavings, twigs, branches and three-bark (can contain 30-50 percent tree-bark depending on the quality of the bark), into pellets used as a high quality fuel, without the use of a binding medium. The waste arrives by lorry or rail-container and is dumped into a pit. From there it is moved to a forge mill which chops it into pieces of 4 mm to 6 mm. These resulting granules are transported pneumatically to the raw material silo. From the raw material silo the granules are moved to the drying barrel which reduces the moisture content to 12% to 16% and moves them via a cyclon to a vibratory screen. The larger granules (over 4 mm) are moved to a fuel silo where a warm air generator heats the drying barrel. The smaller granules (under 4 mm) go into a storage silo. From the storage silo the dried and chipped waste is now moved into a pellet press. This pellet press uses high pressure and friction which produces a temperature of 150°C. This releases the lignin resins which act as a binding agent on the wood fibre. The small granules now have a wax-like skin which protects them during storage and transport and retains their low moisture content. At the rear of the pellet press is a refrigeration/screening plant. Small particles are screened off and returned to the storage silo. The finished pellets are either packaged or sold loose. The pellets have a calorific value of 4.000 Kcal/kg and are sold in France and Switzerland for F.Frs. 600/tonne. Advantages: a lower and more constant moisture content, a higher calorific value and, therefore, a considerable improvement in the efficiency of the combustion; nearly equal size of the pellets which assures an even flow of the fuel and allows automatic feeding of the boiler (also pneumatically); higher density which reduces the cost of storage and transport so that it remains economical even if it has to be moved some distance; the cost of this fuel is said to be only half of the cost of heating oil. Establishing a factory requires an area of 10.000 m^2, with one half of this area used for buildings and plant and the other half for the movement of transport vehicles. The factory requires as staff: one manager, one foreman, one bookkeeper, three skilled workers and three labourers; a technical advisor can look after the production control. The French firm offers at present, plants to produce 6.000, 12.000, 18.000, 24.000 and 30.000 tonnes of pellets per annum. Write: Mr. E.L. Goldschmidt, E.L. Goldschmidt — J. Pujo, International Patent Consultants, 2, rue de Civry, 75016 Paris, France and send a copy of your initial correspondence to Canadian Embassy, 35 Avenue Montaigne, 75008 Paris, France.

Traitement des déchets de bois/328

Par l'intermédiaire de son service *International Patent Consultants*, une société française offre à une société canadienne située à proximité de scieries, d'ateliers de travail du bois et/ou de papeteries des droits de licence pour l'établissement d'une usine de transformation des sciures, copeaux de bois, brindilles, branchages et de l'écorce (les déchets peuvent contenir de 30 à 50 pour cent d'écorce, selon la qualité de cette dernière) en un combustible de haute qualité sous forme de granulés, sans l'utilisation d'un liant. Les déchets arrivent par camion ou wagon et sont déchargés dans une fosse, d'où ils sont transportés à un broyeur qui les réduit en particules de 4 à 6 mm. Celles-ci sont alors amenées par un système pneumatique au silo de matière première. De ce silo, les particules sont dirigées vers un tambour de séchage qui abaisse leur teneur en humidité à 12-16%, et les dirige par un cyclone vers un crible-vibrateur. Les grosses particules (plus de 4 mm) sont acheminées vers un silo de combustible qui sert à la production d'air chaud pour le cylindre de séchage. Les petites (moins de 4 mm) sont acheminées vers un silo de stockage. Les déchets de bois ainsi séchés et hachés sont ensuite transportés du silo de stockage à la presse à granuler. Dans cette presse, la pression et le frottement sont élevés; la température y atteint 150°C. Cette opération libère la lignine qui sert d'agent liant sur les fibres de bois. Les petits granulés sont alors revêtus d'une pellicule à l'aspect de cire qui les protège durant le stockage et le transport, et maintient leur faible teneur en humidité. À la suite de la presse à granuler se trouve une installation de réfrigération et filtrage. Les petites particules restantes sont triées et retournées au silo de stockage. Les granulés proprement dits sont vendus en vrac ou en sacs. Ils ont un pouvoir calorifique de 4 000 Kcal/kg et sont vendus en France et en Suisse au prix de FF 600 la tonne. Avantages: teneur en humidité plus faible et plus constante; pouvoir calorifique plus élevé et, par conséquent, amélioration considérable de l'efficacité de combustion; taille presque uniforme des granulés, qui assure un débit constant du combustible et permet un approvisionnement automatique de la chaudière (également par un système pneumatique); plus forte densité, qui réduit les coûts de stockage et de transport, de sorte que le produit reste économique même s'il est nécessaire de le transporter à une certaine distance. On estime que ce combustible coûte deux fois moins cher que l'huile à chauffage. L'installation d'une usine demande une superficie de 10 000 m^2, dont la moitié est réservée aux bâtiments et à l'usine et l'autre moitié à la circulation des véhicules. L'effectif de l'usine comprend: un gestionnaire, un contremaître, un comptable, trois ouvriers qualifiés et trois manoeuvres; un conseiller technique peut vérifier la production. La société française propose actuellement des usines de production pour 6 000, 12 000, 18 000, 24 000 et 30 000 tonnes de granulés par an. Écrire à: M. E.L. Goldschmidt,

E.L. Goldschmidt — J. Pujo, International Patent Consultants, 2, rue de Civry, 75016 Paris (France) et faire parvenir une copie de votre correspondance initiale à l'Ambassade du Canada, 35, avenue Montaigne, 75008 Paris (France).

Interlocking Building Blocks/328

Australian firm offers a Canadian company the manufacturing and distribution rights in North America to its patent pending industrial design for interlocking building blocks designed to provide weatherproof and tornado proof walls and structures including corners and lintels which have the following features: No mortar required; tension rods hold blocks together (double as cyclone bolts); high density concrete 30 MPA; water permeability extremely low; weatherproof construction; surface easy to paint or left "off-form"; no cavity needed; plastering unnecessary; permanent neoprene sealing strips; partitions or loadbearing; easily demounted and re-erected; and, easily laid by unskilled labour with professional results. Write: Mr. J. Vander-Wal, c/o Monam Pty Ltd., P.O. Box 1540, Darwin, N.T. 5794, Australia and send a copy of your initial correspondence to Canadian Consulate General, A.M.P. Centre, 8th Floor, 50 Bridge Street, Sydney, N.S.W. 2000, Australia.

Blocs de construction emboîtables/328

Une société australienne offre à une entreprise canadienne les droits de fabrication et de commercialisation en Amérique du Nord de ses blocs de construction emboîtables dont le brevet est en instance d'acceptation. Ces blocs permettent de construire des murs et des structures avec coins et linteaux à l'épreuve des intempéries et des tornades. Les caractéristiques de ce produit sont les suivantes: aucun mortier n'est nécessaire; des tirants tiennent les blocs ensemble (et servent aussi de protection contre les cyclones); béton lourd de 30 MPa; perméabilité à l'eau extrêmement faible; construction à l'épreuve des intempéries; surface facile à peindre ou laissée telle quelle; aucune cavité nécessaire; pas de plâtrage; bandes d'étanchéité permanentes en néoprène; utilisation pour cloisons et murs porteurs; facilité de démontage et de remontage; et facilité d'installation par une main-d'oeuvre non spécialisée avec des résultats professionnels. Écrire à: M. J. Vander-Wal, c/o Monam Pty Ltd., C.P. 1540, Darwin, N.T., 5794 (Australie) et faire parvenir une copie de votre correspondance initiale au Consulat général du Canada, A.M.P. Centre, 8th Floor, 50 Bridge Street, Sydney, N.S.W. 2000 (Australie).

Grain Silos/328

Australian consultants offer a Canadian firm, the licensing rights to manufacture and erect its client's patent pending steel grain silos. The "Safeway Silo" is constructed on a flat concrete foundation slab, using a light bolted structural steel framework which positions the roofing and walling components. The walling components are composed of two elements, a solid steel plate in the lower 1½ to 2 metres, and corrugated galvanized sheeting spanning vertically above that. These two elements are joined in a way that ensures structural integrity. The whole wall is assembled in such a way that it can be adequately sealed for gas tightness. The inside wall surface is clean and free of ledges or other obstructions on which grain might be trapped and in which insects might breed, so that a high level of hygiene is attained. The roofing components are framed in a conventional way, using corrugated galvanized steel sheeting or corrugated asbestos cement cladding. If preferred, a painted steel plate roof may be used at slight extra cost. Where gas tightness is required, the roof may be sealed and joined to the walling with gas tight sealing. An alternative gas tight seal can be provided with a membrane located beneath the roof on the top surface of the stored grain. All silos are bird protected. The standard outloading system consists of a central reclaiming conveyor which outloads gravity grain from the central silo outlet. Non-gravity grain is recovered by a radial auger sweep, which rotates in a range of 350° around the central silo outlet. The silo is designed to resist unequal gravity pressures resulting from the non-gravity grain recovery method. Alternative outloading systems can be provided if preferred. The outloading

Silos à céréales/328

Une firme australienne d'experts-conseils offre à une entreprise canadienne les droits de licence en vue de la fabrication et du montage de silos d'acier conçus pour un de ses clients et dont le brevet est en instance. Le "Safeway Silo" repose sur une dalle de béton plate et comporte une ossature métallique légère boulonnée supportant le toit et la paroi. Cette dernière se compose de deux éléments, soit une tôle d'acier uniforme sur les 1½ à 2 mètres de la partie inférieure et un revêtement en tôle ondulée galvanisée s'élevant au-dessus. Ces deux éléments sont assemblés de manière à former un tout solidaire. Le montage assure une bonne étanchéité aux émanations de gaz. La face interne de la paroi est propre et exempte de toute saillie ou aspérité qui pourrait retenir le grain ou former un nid à insectes, offrant ainsi d'excellentes garanties d'hygiène. Les éléments de la toiture sont montés de façon classique, à l'aide d'un revêtement de tôle ondulée galvanisée ou de plaques d'amiante-ciment ondulées. Au gré du client et moyennant un léger supplément, il est possible de poser une toiture en tôle d'acier peinte. Lorsqu'il est nécessaire d'assurer l'étanchéité aux gaz, le toit peut être raccordé à la paroi verticale par un joint étanche. Une autre solution consiste à poser une membrane sous le toit et au-dessus des céréales entreposées. Tous les silos sont à l'épreuve des oiseaux. Le mécanisme de déchargement normal se compose d'un transporteur central qui évacue le grain tombant par gravité dans l'orifice central du silo. Le grain retenu à l'intérieur est repris par une vis sans fin radiale qui tourne sur 350° autour de l'orifice central. Le silo est conçu pour résister aux pressions inégales provoquées par la méthode de récupération du

rate would normally be in the range of 200 to 400 tonnes/hour, but up to 1,000 tonnes/hour can be provided at extra cost by discharging onto reclaiming conveyor belts in tunnels under the silo. Anti-corrosive materials can be specified for seaboard locations or in areas where corrosion may present a long term problem. Silos can be provided in almost any size, ranging from 1,000 tonnes de 20,000 tonnes — or even larger if necessary. Above 3,000 tonnes, the Safeway Silo is normally cheaper than conventional galvanized steel silos and much cheaper than welded steel or concrete construction. Silos can be prefabricated in any reasonably equipped workshop. A licensee with experience in the erection of grain silos is desirable but not essential as technical assistance can be provided in initial stages by the Australian licensor. The licensee should also have distribution facilities through Canadian grain belt. (See illustration page 15.) Write: Consultants Network Pty. Ltd, 1104 Northpoint Building, 100 Miller Street, North Sydney, N.S.W. 2060, Australia and send a copy of your initial correspondence to Canadian Consulate General, A.M.P. Centre, 8th Floor, 50 Bridge Street, Sydney, N.S.W. 2000, Australia.

grain retenu à l'intérieur. Au gré de l'acheteur, il est possible de fournir un autre mécanisme de déchargement. Le débit normal de déchargement est d'environ 200 à 400 tonnes l'heure, mais il est possible, moyennant un coût supplémentaire, d'atteindre un 1000 tonnes l'heure en déversant le grain sur des bandes transporteuses installées dans des tunnels sous le silo. Dans le cas d'installations situées à proximité de la mer ou dans des lieux où la corrosion peut représenter un problème à long terme, il est possible d'utiliser des matériaux à l'épreuve de la corrosion. Les silos peuvent être fournis dans à peu près toutes les dimensions, de 1000 à 20,000 tonnes ou davantage au besoin. Au-delà d'une capacité de 3000 tonnes, le "Safeway Silo" est habituellement moins coûteux que le silo classique en acier galvanisé et nettement moins cher que l'installation en acier soudé ou en béton. Il peut être préfabriqué dans tout atelier équipé de façon normale. Il est souhaitable que le preneur de licence soit qualifié dans le montage de silos à céréales, sans que la chose soit essentielle car le donneur de licence australien peut offrir son aide technique au début. Par ailleurs, le preneur de licence devrait disposer de points de vente dans l'ensemble de la zone céréalière canadienne. (Voir l'illustration page 15). Écrire à: Consultants Network Pty. Ltd, 1104 Northpoint Building, 100 Miller Street, North Sydney, N.S.W. 2060 (Australie) et faire parvenir une copie de votre correspondance initiale au Consulat général du Canada, A.M.P. Centre, 8th Floor, 50 Bridge Street, Sydney, N.S.W. 2000 (Australie).

A System for the Production of Methane Gas from Organic Matter/328

German firm offers a Canadian company, the licensing rights to its patent pending Biogas system for the production of methane gas from organic matter. The integrated spiral construction equipment has three functions: mixing, flow-through and emptying. The methane gas can be produced from such operational fields as: agriculture, chicken farms, breweries, distilleries, smelters, nurseries, tanning factories, dairies, slaughter houses, road-making and other enterprises having much organic refuse and waste water. Advantages: Utilizes organic refuse and waste water; agents are rendered harmless; converts manure of a high value; eliminates bad odors near residential areas; provides inexpensive energy sources that can be used to heat buildings and to dry different materials such as hay and corn; prevents the destruction of plants by artificial fertilizers. The licensee should have technical expertise in fiberglass-reinforced plastic manufacturing. The German firm will provide technical data and equipment. Write: Energieanlagen Probst GmbH, Perlasberger Strasse 3, 8360 Deggendorf, West Germany and send a copy of your initial correspondence to Canadian Consulate General, Immermannstrasse 3, 4 Duesseldorf, West Germany.

Système permettant de produire du méthane à partir de matière organique/328

Une société allemande offre aux sociétés canadiennes les droits de licence pour son système *Biogas* permettant de produire du méthane à partir de matière organique. Ce système, pour lequel un brevet a été demandé, comporte un agitateur de forme hélicoïdale permettant de mélanger le substrat, puis de déplacer le mélange et de l'évacuer après la fermentation. On peut produire du méthane à partir de déchets obtenus lors d'opérations agricoles, de l'élevage de poulets, de la production de bière et d'alcool distillé, du grillage de minerais ou lors d'autres opérations produisant de grandes quantités de déchets et d'eaux usées. *Avantages:* le système utilise des déchets organiques et des eaux usées; les résidus sont inoffensifs et constituent un engrais très efficace; le système élimine les odeurs désagréables à proximité des zones résidentielles; il constitue une source peu coûteuse d'énergie pouvant servir à chauffer les bâtiments ou encore à sécher le foin ou le maïs; les résidus de fermentation ne détruisent pas les plantes comme les engrais chimiques. Le preneur de licence devrait posséder certaines connaissances techniques de la fabrication de plastiques renforcés de fibres de verre. La société allemande fournira les données techniques et le matériel. Écrire à: Energieanlagen Probst GmbH, Perlasberger Strasse 3, 8360 Deggendorf (Allemagne de l'Ouest) et faire parvenir une copie de votre correspondance initiale au Consulat général du Canada, Immermannstrasse 3, 4 Duesseldorf (Allemagne de l'Ouest).

Purification of Cyanide and Heavy Metal Containing Rinsing Water/328

A Swedish development company offers its know how and experience in respect of a new method based on ion exchange for the purification of rinsing water containing heavy metals and cyanides. In comprehensive tests carried out in prototype plant the method resulted in nearly 100% purification at half the cost of earlier cleaning methods. The polluted rinsing water is caused to flow through an ion exchanger, i.e. a cartridge containing the substance which combines with the impurities and discharging pure water which can be recirculated in the production process. When the substance is saturated with impurities it is cleaned/ eluted by electrolysis, whereupon the metals and chemicals can be returned to the production process. Elution is required only a few times every year, and it is possible therefore to share the electrolysis plant between a number of factories in the same area. An ion exchanger can also be connected to a conventional purification plant, thus enabling considerable savings by way of reduced water consumption. Advantages: More efficient cleaning, lower initial investments, possibilities for recycling the rinsing water, recovery of chemicals and lower space requirements. A company already equipped with a conventional separation plant may find it advantageous to also install an ion exchanger since reduced water and labour costs make up for installation costs. Write: Kemakta Konsult AB, Luntmakargatan 94, S-113 51 Stockholm, Sweden and send a copy of your initial correspondence to Canadian Embassy, P.O. Box 16129, S-103 23 Stockholm 26, Sweden.

Épuration d'eaux de rinçage contenant des cyanures et des métaux lourds/328

Une société de développement suédoise offre aux sociétés canadiennes les droits d'exploitation d'une nouvelle méthode d'épuration des eaux de rinçage contenant des cyanures et des métaux lourds, basée sur l'échange d'ions. Lors d'essais exhaustifs effectués à l'échelle pilote, cette méthode a permis d'obtenir un taux d'épuration de presque 100% à un coût correspondant à 50% du coût des méthodes moins récentes. Dans ce procédé, les eaux de rinçage polluées sont traitées sur une substance échangeuse, contenue dans une cartouche, qui se combine avec les impuretés et qui laisse passer une eau pure pouvant être réutilisée dans le procédé de production. Lorsqu'elle est saturée, la substance échangeuse est épurée par élution; les métaux et les produits chimiques sont récupérés par électrolyse de l'éluat et peuvent être retournés dans le procédé de production. Comme la régénération par élution de la substance échangeuse n'est nécessaire que quelquefois par année, il est possible de partager les installations d'électrolyse avec d'autres sociétés de la même région utilisant le même processus d'épuration. On peut également employer un échangeur d'ions dans une usine dotée d'installations d'épuration classiques et ainsi diminuer de beaucoup les frais d'exploitation en réduisant les quantités d'eau utilisées. *Avantages*: l'épuration est plus efficace, l'investissement initial est plus faible, les eaux de rinçage peuvent être recyclées, les produits chimiques sont récupérés et le système exige peu d'espace. Dans le cas d'une société possédant déjà un système classique de séparation, l'utilisation d'un échangeur d'ions pourrait être avantageuse, car les économies réalisées en termes d'eau et de main-d'oeuvre compenseraient le coût de l'installation. Écrire à: Kemakta Konsult AB, Luntmakargatan 94, S-113 51 Stockholm (Suède) et faire parvenir une copie de votre correspondance initiale à l'Ambassade du Canada, P.O. Box 16129, S-103 23 Stockholm 16 (Suède).

Locking Safety Pin and Key Carrier/328

American inventor offers a manufacturing license to a Canadian company, with exclusive marketing rights for Canada, U.S.A. and other areas of the world, for its self-locking safety pin unit or device in which a thumb and finger rotatable sleeve is adapted, when turned in one direction, to raise and then turn or swing, an upper, loop-like, latching or nose part under resilient spring pressure out of engagement with a pointed end of a pin part and then into a sidewise offset, clearing or open relation with respect thereto when a lower, pin-supporting, loop-like, base part is gripped to retain it in a stationary position. The lower base or loop part is shaped to receive keys or other eyelet-like elements thereon that, when the pin part is in an open position, may be introduced thereon by first swinging a pivoted pin closure to an open position which then is moved to a closing-off position for key retention on the lower loop part. The safety pin which can be produced from metal or plastic, is designed to open and close with one hand and will not open once closed. It has numerous uses, variations, sizes, etc., and should be marketed through department stores, variety stores, drug chains, grocery chains, etc. A prototype is available from tooling of developer. Marketing would be the most

Épingle de sûreté verrouillable/328

Un inventeur américain offre une licence de fabrication à une société canadienne avec les droits de mise en marché exclusifs pour le Canada, les États-Unis et d'autres régions du monde, pour son épingle de sûreté autoverrouillable qui comporte un manchon à molette rotative, pour lever, tourner ou basculer un organe résilient à ressort en forme de boucle pour le verrouillage qui permet d'engager l'extrémité pointue d'une épingle dans un découpe latérale, par rapport à la partie inférieure supportant l'épingle et en forme de boucle prise pour fixation en position fixe. La partie inférieure, ou boucle, a la forme voulue pour recevoir les clés et autres dispositifs à oeillets quand elle est en position ouverte, de sorte qu'on peut introduire ces éléments en faisant pivoter l'épingle à la position ouverte et la déplaçant à la position fermée pour mettre les clés dans la boucle inférieure. L'épingle de sûreté peut être en métal ou en plastique et est conçue pour s'ouvrir et se fermer d'une main et elle ne s'ouvre pas une fois fermée. L'épingle a des formes, des dimensions et des usages variés, et devrait être commercialisée par l'intermédiaire des magasins à rayons, des magasins de variétés, des chaînes de drogueries, des chaînes d'épiceries, etc. Un prototype peut être fabriqué par

important feature of a licensee, with manufacturing facilities being either or both metal and plastic, or assembly with sub-contracting component manufacture. Assistance offered would be in manufacturing, variation design, marketing, with drawings for same. Confidential disclosure agreement would be required from prospective licensees. The licensing agreement would call for front end payment on signing and royalty on sales. (See illustration page 15.) Write: Lomar Associates, 1384 Tyandaga Park Drive, Burlington, Ontario L7P 1N3 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

l'entrepreneur. La commercialisation serait la fonction la plus importante du détenteur de la licence, il y aurait des installations de fabrication soit en plastique, soit en métal ou dans les deux matériaux ou un assemblage avec fabrication de composés en sous-traitance. Une aide sera disponible pour la fabrication, la variation du dessin, la commercialisation et les dessins. Un accord de communication à titre confidentiel sera demandé aux éventuels détenteurs de licence. Le contrat de licence prévoit un paiement immédiat à la signature et des redevances sur les ventes. (Voir l'illustration page 15.) Écrire à: Lomar Associates, 1384 Tyandaga Park Drive, Burlington (Ontario) L7P 1N3 et faire parvenir une copie de votre correspondance initiale à la Section des possibilités de licences (ABLO), Direction du développement des marchés, ministère de l'Industrie et du Commerce et de l'Expansion économique régionale, Ottawa (Ontario) K1A 0H5.

Security Lock/328

British firm offers a Canadian company the licensing rights to manufacture its heavy-gauge steel security lock mainly for use in patio type doors which can be secured against intruders. Incorporating a dead bolt, the unit measures 44.25 cm. Two locking pins are 20.75 cm apart. The pins cannot be released by lifting the door off the track. As the door is closed, each pin on the jamb is sited in the wide part of a keyhole-shaped aperture in a sliding bar on the door stile. A lever on the door handle slides the bar vertically along the stile, moving the keyholes so that the pins end up in the narrow part of each aperture. Since the pins' heads are wider than the aperture, there can be no horizontal movement and the door is fastened. The lock is designed to fit into frames and modifications can be made for and/or to other cross-sections. It is best fitted during the manufacturing process but it would be possible to fit suitable existing doors. Write: Mr. Barry Glaze, Director, Fullex (Windowcraft) Ltd., 3rd Avenue, Pensnett Trading Estate, Brierley Hill, West Midlands DY6 7PP, England and send a copy of your initial correspondence to Commercial Division, Canadian High Commission, One Grosvenor Square, London W1X 0AB, England.

Serrure de sûreté/328

Une société britannique offre à une firme canadienne les droits de licence pour fabriquer sa serrure de sûreté, en épais acier inoxydable, principalement pour les portes de patio qui doivent être verrouillées contre les intrus. La serrure comprend un verrou à pêne dormant de 44.25 cm. Les deux broches de verrouillage sont à 20.75 cm d'intervalle. Les broches ne peuvent être déverrouillées si on soulève la porte de son rail. Quand la porte se ferme chaque broche sur le chambranle pénètre dans la grande partie d'une ouverture en trou de serrure dans une barre coulissante sur le montant de la porte. Un levier sur la poignée de la porte fait glisser la barre verticalement le long du montant de la porte déplaçant les trous de serrure de sorte que les broches se trouvent dans la partie étroite de chaque ouverture. Étant donné que les têtes des broches sont plus larges que l'ouverture il n'y a aucun mouvement horizontal et la porte est maintenue en place. La serrure est conçue pour s'adapter dans des cadres et des modifications sont possibles pour d'autres sections transversales. L'ajustage se fait le mieux au cours du processus de fabrication mais il est possible d'ajuster les portes existantes. Écrire à: M. Barry Glaze, Directeur, Fullex (Windowcraft) Ltd, 3e Avenue, Pensnett Trading Estate, Brierley Hill, West Midlands DY6 7PP (Angleterre) et faire parvenir une copie de votre correspondance initiale à la Division commerciale, Haut-Commissariat du Canada, One Grosvenor Square, Londres W1X 0AB (Angleterre).

Shredding Accessory for Rotary Lawn Mower/328

American inventor offers, under its U.S. Patent 4,283,018, the manufacturing rights in Canada, and the marketing rights in Canada and the United States, to its shredding accessory for a rotary lawn mower which is an apparatus for use with a rotary type home garden lawn mower for the shredding and mulching of organic matter such as leaves and grass. The shredding accessory has dual entry doors in a hopper and a window for observation of the shredding. An optional base plate with side walls may be used with it. The lawnmower may still be used, without the accessory, in a conventional manner. It is said that the shredder represents an improvement from the standpoint of workability

Déchiqueteuse pour tondeuse à gazon/328

Un inventeur américain (brevet É.-U. 4,283,018) offre les droits fabrication au Canada et de commercialisation et d'exportation, au Canada et aux États-Unis, d'une déchiqueteuse montée comme accessoire sur les tondeuses à gazon à axe vertical. L'appareil permet le déchiquetage et le paillage de matières organiques telles que l'herbe et les feuilles; il comporte des trappes d'accès doubles dans une trémie et une lucarne permettant d'observer le déchiquetage. En équipement optionnel, il peut être muni d'une plaque de base avec parois latérales. Sans l'appareil, la tondeuse à gazon reprend son rôle premier. Sur le plan pratique et sécuritaire, il semble que cette déchiqueteuse

and safety. (See illustration page 15.) Write: Mr. Alyre J. Richard, 521 Knox Street, Rumford, Maine 04276 and send a copy of your initial correspondence to Canadian Consulate General, 500 Boylston Street, Boston, Massachusetts 02116-3775, U.S.A.

représente un progrès. (Voir l'illustration page 15). Écrire à: M. Alyre J. Richard, 521 Knox Street, Rumford (Maine) 04276 et faire parvenir une copie de votre correspondance initiale au Consulat général du Canada, 500 Boylston Street, Boston, Massachusetts 02116-3775 (É.-U.).

Canadian Patents Available for Licensing or Sale in Canada Issued March 1983

Note:
Résumés of the following Canadian Patents are published in the language of application, English or French.

Formation of Solid Layers of Intumescent Material/328

A process for forming a solid layer of intumescent material from a fluid material, comprises the steps of pouring the fluid material onto a mold and evaporating the liquid from the fluid material while the mold is placed within a chamber offering a predetermined restraint to the escape of vapor from the chamber to the ambient atmosphere, in order to dry layer-form material contained therein. Write: **PATENT 1,141,944**, BFG Glassgroup, rue Caumartin, 43, Paris, France and send a copy of your initial correspondence to Canadian Embassy, 35 Avenue Montaigne, 75008 Paris, France.

ROLA Hoop Game/328

La présente invention comporte un objet en forme de cercle ou cerceau ainsi qu'un bâton ayant une forme conçue pour lancer, diriger, faire rouler ou arrêter l'objet, permettant de s'amuser seul ou en groupe. L'objet en forme de cercle ou cerceau est profilé de façon à pouvoir le faire lever de la position horizontale de repos à la position verticale et le faire rouler que par l'extrémité du bâton sans avoir à le toucher avec les mains. Écrire à: **BREVET 1,141,958**, Gaétan Bernier, 12210 - 27e Avenue, Rivière-des-Prairies, Montréal (Québec) H1E 1Z5 et faire parvenir une copie de votre correspondance initiale à la Section des possibilités de licences (ABLO), Direction du développement des marchés, ministère de l'Industrie et du Commerce et de l'Expansion économique régionale, Ottawa (Ontario) K1A 0H5.

Apparatus for Laying Pipe/328

Apparatus lays pipe in a trench and joins successive sections thereof. An elongated carriage is of a length sufficient to straddle the trench and includes propelling means for engaging the surface outward from the respective upper sides of the trench and moving the carriage therealong. The propelling means is steerably driven. A crane arises from the carriage and includes an adjustably articulated arm of adjustable length and which has an outer end portion controllably movable both laterally with respect to the trench and between respective positions above and within the trench. The crane is mounted upon the carriage so as to permit the tilting relative thereto and, thus, relative to the sidewalls of the trench. A controllable grapple is mounted on the outer end of the arm and is controlled to engage and disengage the pipe. Write: **PATENT 1,141,976**, John T. Henry, 1226 Summit View Drive, Ft. Collins, Colorado 80524 and send a copy of your initial correspondence to Canadian Consulate General, One Maritime Plaza, Alcoa Building, Suite 1100, Golden Gateway Center, San Francisco, California 94111-3468, U.S.A.

Strap Wrench/328

A handle for a strap wrench or other tool is assembled from two components, which components are provided with co-operating elements whereby the two components may be releasably joined together. Preferably, each component is provided with at least one projection adapted to be received within a recess in the other component. A strap wrench comprises such a handle together with a strap, one end of the strap being attached to one component, the second component of the handle being associated with the strap by means of a guide member through which the strap may pass, thereby permitting variation in the size of the loop formed by the strap for engagement with a workpiece. The means for releasably joining together the components of the handle permit the use of the strap wrench on objects, such as a length of pipe, having inaccessible ends. Write: **PATENT 1,141,997**, Stephen K. Luck, 9173 Fletcher Drive, La Mesa, California 92041 and send a copy of your initial correspondence to Canadian Consulate General, 510 West Sixth Street, Los Angeles, California 90014-1377, U.S.A.

Liste des brevets canadiens disponibles pour octroi de licences ou vente au Canada délivrés en mars 1983

Note:
Des résumés des brevets canadiens ci-joints sont publiés dans la langue de la demande de brevet, en anglais ou en français.

Méthode de production de couches solides de matériau intumescent/328

Rola/328

Engine de pose de canalisations/328

Clé de serrage à sangle/328

Automatic Unit to Control Both Programming Dissolve-Slide-Sound and Dissolve Slide Presentation/328

Unité automatique de contrôle d'enchaîné pour projecteur/328

A projector control system normally comprises automatic slide projectors, a dissolver unit, a cassette recorder unit, and a remote control unit. The cassette recorder unit has two tracks, one for the audio, and the other for the sync. signals. Such projector control system can be used to control manually through a control switch of a dissolver unit either the programmation of sync. signals accompanying an audio-track which would have been previously recorded for dissolve slide-sound presentation or it can also be used to control manually the operation of dissolve slide presentation only. This last operation can also be performed manually through a remote control unit. In this invention, an automatic unit is used with the projector control system to control automatically all operations desired. For instance, the programmation of the sync. signals of the dissolve slide-sound presentation can be controlled automatically by means of the automatic unit. This is achieved by connecting the automatic unit to the manual control switch of the dissolver unit. The dissolve slide presentation without sound can also be controlled automatically in the same manner. The automatic unit can also be connected directly to the remote control switch in order to control automatically in the same manner the projector control system. The automatic unit consists essentially of an IC timer type 555 which produces an electrical pulse of a duration corresponding to a desired time interval; a general purpose operational amplifier type 741 which reverses the electrical pulse to give an instant electrical pulse at every desired time interval, and a miniature SPDT relay which controls automatically all operations of the projector control system. Write: **PATENT 1,142,001**, Gaston G. Drew, 1230 Sherman Drive, Ottawa, Ontario K2C 2M8 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Shelf Bracket Assembly/328

Support d'étagère/328

The assembly includes a shelf bracket for constructing shelving from spaced elongated shelf boards that have a standard thickness. An elongated leg of rectangular cross section includes a longitudinal groove formed into one of its major surfaces. A pair of U-shaped clips each are in the form of a pair of plates joined by a flat bight with the widths of the plates being spaced apart for snug engagement with a marginal edge portion of a shelf board. The bight seats tightly in the groove and preferably has a thickness substantially equal to the depth of the groove. The clips are individually secured in respective different spaced portions of the groove with the bight seated therein. Write: **PATENT 1,142,138**, John S. Shepard, 1304 S. Shields, Fort Collins, Colorado 80521 and send a copy of your initial correspondence to Canadian Consulate General, One Maritime Plaza, Alcoa Building, Suite 1100, Golden Gateway Center, San Francisco, California 94111-3468, U.S.A.

Valve for Fire Extinguishing Systems/328

Clapet frangible pour réseau d'extincteurs automatiques/328

A valve for sealing off pressurized fluid for an extended period comprises, a body defining a passageway, a closure member in said passageway for closing off the latter against fluid flow, a pivotally mounted arm for maintaining the closure member in its passageway closing off condition, and a catch for releasably retaining the arm in the valve closed position. In one arrangement, the closure member includes a diaphragm which extends across and divides the passageway and is arranged to burst under a sufficient pressure differential, the arm carrying a backing plate which, in its valve closed position is superimpositioned against one face of the diaphragm to prevent it from bursting. Write: **PATENT 1,142,157**, Alister L. McCulloch, 54 Browns Road, Clayton, State of Victoria, Australia and send a copy of your initial correspondence to Canadian Consulate General, Prince's Gate East Tower, 17th Floor, 151 Flinders Street, Melbourne 3000, Australia.

Swim Paddles/328

Ailerons de nage/328

A pair of swim paddles which facilitate swimming constructed to be worn on the forearms of a swimmer, each swim paddle having a length sub-stantially equal to and a width greater than that of the swimmer's forearm, whereby to increase the effective area thereof and correspondingly increase his speed of movement through the water; each swim paddle made of a flexible material having a bottom portion and a pair of side portions, the bottom portion being formed with a fluted friction-gripping surface which grips the underside of the swimmer's forearm to assist in holding the swim paddle in place during use thereof, each side portion having an upper section which projects above the bottom portion and a lower section which projects below the bottom portion, the two lower side sections forming a water scoop with the bottom portion, a pair of straps for holding each swim paddle in place on the swimmer's forearm, each strap encircling the forearm of the swimmer and extending across the bottom portion beneath the bottom surface thereof and through the wall of the two lower side sections, the water scoop formed by the two lower side sections having a first at rest position during a retract stroke of the swimmer in which the two lower side sections are disposed spaced apart from each other, said water scoop having a second position during a power stroke of the swimmer in which the free ends of the two lower side sections are spread apart from each other further than in said first position. Write: **PATENT 1,142,194**, W. Denison Lewis, 176 Vidal Street South, Apt. 606, Sarnia, Ontario N7T 2T6 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Vehicle Hitch/328 **Attelage sur véhicule/328**

A vehicle hitch which is adjustable for extension, elevation, and lateral positioning and which has a frame of A-shape which carries a draw bar which is adjustable with respect to the frame in extension and lateral positioning. Telescoping adjustment means extending between the frame and a vehicle enable elevation adjustment and provides means for holding the frame in erect unobtrusive position on the vehicle when not in use. Write: **PATENT 1,142,199**, Arthur E. Weber, P.O. Box 1026, Weyburn, Saskatchewan S4H 2L3 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Strike Plate Support System/328 **Fixation de gâche/328**

A securing mechanism and method for a conventional door frame strike support structure, which substantially increases the holding strength of the strike and mounting assembly. The mechanism comprises two support members that are secured and concealed within the frame jamb structure behind the strike plate in a horizontal position parallel to the body of the strike plate, and with transverse interconnecting threaded means to adjustably secure the strike plate. The final assembly is ready to act with a high degree of mechanical resistance in direct opposition to any external force applied against the door. The strike support system is versatile, being adaptable to various existing designs of strike plates and deadbolt keeper plates and even for different levels of tensile strength. Write: **PATENT 1,142,202**, William J. Hamilton, 1180 Woodroffe Avenue, Ottawa, Ontario K2C 2T3 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Method of Bentonite Application/328 **Méthode de revêtement à la bentonite/328**

A method of sealing a sub-surface wall with a homogeneous gel of bentonite in water. The gel is prepared by placing an aqueous suspension of less than six percent by weight of bentonite in a vessel, recirculating the suspension and adding bentonite to a final concentration of between six and twenty percent by weight. The gel so produced is applied to the wall surface by spraying, forming a stable, nonflowing gel coating thereon. Write: **PATENT 1,142,395**, Ralph E. Nutter, 1214 N.E. 65th Street, Seattle, Washington 98101 and send a copy of your initial correspondence to Canadian Consulate General, 412 Plaza 600, Sixth and Stewart, Seattle, Washington 98101-1286, U.S.A.

Nasal Protective Method and Device/328 **Méthode et dispositif pour la protection des narines/328**

Protective method and apparatus for the nasal passages comprising a U-shaped wire spring each leg of which being embedded within, and held by friction, an ellipsoidal-like nub for closing the nose by pressing in on its sides and to raise the temperature of the nasal passages. Write: **PATENT 1,142,828**, Norman M. Lake, 1705 Newport Drive, Lancaster, Pennsylvania 17602 and send a copy of your initial correspondence to Canadian Consulate General, 3 Parkway Building, Suite 1310, Philadelphia, Pennsylvania 19102-1366, U.S.A.

Emergency Descent Device/328 **Dispositif d'évacuation d'urgence/328**

This invention relates to a fire escape for high rise buildings. Cables are automatically lowered from the roof of the building, and once they have descended, brake apparatus is slipped over each cable to be used from various levels of the building. A person is suspended from each brake apparatus, and is controllably lowered to the ground. Since the brake apparatus can be attached anywhere along the cable without prethreading, a plurality of persons can be lowered at the same time, and the same cable can be used repeatedly by many people. Write: **PATENT 1,142,900**, Armand Dale, 3100 Carling Avenue, 1121, Nepean, Ontario K2B 6J6 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Spring Loaded Bundle Buggie Device/328 **Chariot sur roues à ressorts de suspension pour le transport d'articles/328**

A mobile cart for carrying articles comprising a rectangular open topped box having a pair of wheels at the rear lower corners thereof and a handle comprising a pair of spaced parallel arms and a cross-piece between upper ends of said arms, each said arms extending generally diagonally across opposite side-walls of said box, from a point adjacent an upper rear corner towards a lower front corner and being fixedly attached thereto such that said cross-piece extends horizontally above and to the rear of said box, the improvement in which disposed on the front wall of the box, intermediate the sides thereof

and attached thereto is a roller device including a roller rotatable and a horizontal axis resiliently mounted for vertical movement with respect to said box and biased to assume a position lower than the base of said box. Write: **PATENT 1,142,975,** William M. Calder, 366 Ashdale Avenue, Toronto, Ontario M4L 2Z2 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Pneumatic Core for Adjustable Firmness of Mattresses, Cushions and the Like/328

Chambre gonflable pour modifier le degré de fermeté d'un matelas, d'un oreiller, d'un coussin ou d'un article analogue/328

A pneumatic core for mattresses, cushions, car seats and the like, is disclosed. The core comprises an upper sheet of rubberized cloth and a lower sheet of flexible rubber material forming a plurality of protrusions when inflated. Write: **PATENT 1,143,075**, Guy Laforest, 7752 Place Arundel, Anjou, Quebec H1K 3S6 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Scarification Rake/328

Râteau de scarifiage/328

A scarification rake consisting of a rear base member and a number of prefabricated teeth secured along the rear base member, each tooth having a front edge inclined rearwardly in a downward direction. Write: **PATENT 1,143,151**, M. Aboud Mubareka, R.R. 1, Saint Joseph de Madawaska, N.B. E0L 1L0; Paul A. McKinley, 29 P'tiso Trailer Park, Edmundston, N.B. E3V 3K5 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Making Dough Products with Various Fillings in Domestic and Public Place with Large Output Only for One Time Usage (30-60 Pieces), Excluding Hand Labor in Pasting Forming and Cutting of Dough by Means of Press Form/328

Méthode de fabrication de produits de pâte fourrée dans les cuisines domestiques et de restaurant et de production de grandes quantités (30-60 pièces) sans avoir à travailler la pâte et à la découper à la main/328

An improved apparatus for making dough envelopes containing filling. The apparatus is molded from plastic and includes a frame structure having a plurality of interconnected hexagonal molds so as to form a honeycomb type structure. Each hexagonal mold includes six inclined cutting edges which are connected around a central inverted conical chamber. The inverted conical chamber partially supports the dough envelope during formation to produce uniformly shaped and aesthetically pleasing envelopes. Further, horizontal pasting faces are provided in the corners of each mold between the conical chamber base and cutting edges lower edges. These horizontal pasting faces in combination with the cutting edges provide a strong and uniform seal around the dough envelope edges. Write: **PATENT 1,143,220**, Igor Lifshitz, 1635 No. Martel, Apartment 316, Los Angeles, California 90046 and send a copy of your initial correspondence to the Canadian Consulate General, 510 West Sixth Street, Los Angeles, California 90014-1377, U.S.A.

Wood Splitter/328

Fendeur mécanique de bûches/328

A wood splitting apparatus is disclosed which includes a horizontal platform supporting a splitting head at one end and an hydraulic ram and pusher plate mounted at the other end. The ram is powered to drive the wood block into the splitting head which has both vertical and horizontal splitting edges. The horizontal splitting edges are set back from the vertical splitting edge to provide a progressive splitting action and the configuration of the horizontal and vertical splitting members is such as to prevent any jamming of the wood block during the splitting operation. The hydraulic ram is preferably powered by a pump driven by means of a vehicle powered roller device. The invention also includes an automatic recycling arrangement for the hydraulic pump to reverse the movement of the block pusher plate after one splitting action has taken place. Write: **PATENT 1,143,255**, L. Douglas Nickerson, 306 Reid Street, Sault Ste. Marie, Ontario P6B 4V1 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Pneumatic Tire Inserts/328

Garniture interne pour pneumatiques/328

A method and article of manufacture is herein disclosed for eliminating the need for pressurized air in a vehicular pneumatic tire. A resilient tubular insert is inserted and carried within a tire casing to simulate pneumatic conditions. The resilient material possesses a longitudinal bore which in combination with a particular range of durometers, enhances the "pneumatic" characteristics of the tire insert. Preferably, the tire insert is discontinuous and is designed to have a diameter greater than the internal diameter of the tire casing under deflated conditions. Write: **PATENT 1,143,262**, Richard B. McFarlane,

2400 Myrtle Avenue, Bakersfield, California 93301 and send a copy of your initial correspondence to the Canadian Consulate General, 510 West Sixth Street, Los Angeles, California 90014-1377, U.S.A.

Metal Strip Bending Mechanism/328 **Cintreuse de profilés métalliques/328**

A compact portable metal strip bending mechanism for making a ring shape from a straight profiled metal strip and comprising a support having a bending die mounted thereon for receiving a metal strip section and having a pair of pivoted levers, with another bending die mounted on one lever for applying a force to said metal strip for bending the same. Write: **PATENT 1,143,267**, Norman Harutunyan, 2250 Brimley Road, Scarborough, Ontario M1P 4R9; Denis J. Levasseur, 44 Charles Street, West, Apt. 3412, Toronto, Ontario M4Y 1R8 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Means for Separation of Suspended Solid Particles from a Liquid Flow/328 **Dispositif et méthode de séparation des particules solides d'un liquide en écoulement/328**

Apparatus for separating suspended solid particles from a liquid flow, comprising an open basin with at least one sloping cassette, members for feeding in the suspension and for removal of the clear liquid from the basin so that the upper end of the cassette lies above the surface of the suspension, said cassette comprising at least one suction box opening towards its upper surface, a screen fabric moving over it, members for displacing said screen fabric over the suction box, a member at the upper end of the cassette for the removal of sediment that has formed on the screen fabric, and a flow-through container above the cassette with a fixed perforated or slotted bottom substantially parallelling the cassette for the receiving of clear liquid from a flow passage between the bottom and the cassette. Write: **PATENT 1,143,295**, Oy Partek AB, SF-21600 Parainen, Finland and send a copy of your initial correspondence to Canadian Embassy, P.O. Box 779, 00101 Helsinki 10, Finland.

Device for the Transfer of Yarn Hanks/328 **Dispositif de transfert d'écheveaux de fil/328**

A rotating device for rotably transferring yarn skeins or hanks from a first generally stationary support or carrier to a second generally movable support or carrier, the latter being substantially at the same level as the first support or carrier, comprises a vertical structure, carrying two slide guides parallel to the movement of the second support; thereon a carriage having a rotating head is movable and has a rotating frame with two slide bars integral therewith; a rod carrying slider moves forwardly and backwardly on said bars, and carries two skein-holder rods which are parallel to each other and can be moved to and away from each other. Preferably, the rotational movement is given by a cylinder-piston assembly between the vertical structure and an eccentric location on the rotating frame. Write: **PATENT 1,143,393**, Officine Minnetti di Ornella Raveggi & Co. S.a.s., Via Colonna, 2-51018 Pieve A. Nievole (Pistoia), Italy and send a copy of your initial correspondence to Canadian Embassy, Via G.B. de Rossi 27, 00161 Rome, Italy.

Rotorary Game of Chance/328 **Jeu du hasard sur table tournante/328**

A game comprising a gameboard having a stationary pedestal adapted for placement on a support surface. A circular platform having a playing surface on one side thereof is capable of rotation with respect to the stationary pedestal. A plurality of compartments are formed into the playing surface for receiving said playing chips therein. Write: **PATENT 1,143,395**, Augustine and Gloria Di Giovanni, c/o Richard L. Miller, 3612 Woolworth Building, New York, N.Y. and send a copy of your initial correspondence to Canadian Consulate General, 1251 Avenue of the Americas, New York City, N.Y. 10020-1175, U.S.A.

Cover Assembly for Truck Body/328 **Bâche pour caisse de camion/328**

A cover assembly for an open top truck includes a cover defined by a sheet of tarpaulin or the like connected to the front end of the body, with longitudinally extending coil springs sewn therein for biasing the sheet into a rolled up position; and draw strings connected to the rear end of the tarpaulin sheet and passing around pulleys at the rear end of the body for pulling the sheet to the extended position in which it covers the open top end of the truck body. The assembly may also include a slightly domed cover support frame defined by a transversely extending truss, and longitudinally and transversely extending support rods on the open top end of the truck body. Write: **PATENT 1,143,412**, Roy R. Johnson, P.O. Box 332, Barons, Alberta T0L 0G0 and send a copy of your initial correspondence to the Licensing Opportunities Section (ABLO), Market Development Branch, Department of Industry, Trade and Commerce and Regional Economic Expansion, Ottawa, Ontario K1A 0H5.

Method of Winning Aluminum Metal from Aluminous Ore/328

Méthode de production de l'aluminium à partir de son minerai/328

Aluminous ore such as bauxite containing alumina is blended with coke or other suitable form of carbon and reacted with sulfur gas at an elevated temperature. For handling, the ore and coke can be extruded into conveniently sized pellets. The reaction with sulfur gas produces molten aluminum sulfide which is separated from residual solid reactants and impurities. The aluminum sulfide is further increased in temperature to cause its decomposition or sublimation, yielding aluminum sub-sulfide liquid (A1S) and sulfur gas that is recycled. The aluminum monosulfide is then cooled to below its disproportionation temperature to again form molten aluminum sulfide and aluminum metal. A liquid-liquid or liquid-solid separation, depending on the separation temperature, provides product aluminum and aluminum sulfide for recycle to the disproportionation step. Write: **PATENT 1,143,694**, Mr. James E. Denny, Assistant General Counsel for Patents, Office of the General Counsel, U.S. Department of Energy, Washington, D.C. 20545 and send a copy of your initial correspondence to Canadian Consulate General, 3 Parkway Building, Suite 1310, Philadelphia, Pennsylvania 19102-1366, U.S.A.

Deuterium Exchange Between Hydrofluorocarbons and Amines/328

Échange de deutérium entre des hydrocarbures fluorés et des amines/328

The concentration of deuterium relative to hydrogen in a hydrofluorocarbon is increased by contacting the hydrofluorocarbon, in the presence of an alkali metal amide, with an amine having a concentration of deuterium that is greater than that which provides equilibrium with the hydrofluorocarbon. In a preferred embodiment, a compound enriched in deuterium is produced by first exposing trifluoromethane to infrared laser radiation to selectively cause a chemical reaction involving deuterium-containing molecules. The deuterium-depleted trifluoromethane is deuterium replenished by exchange with an amine, and the compound enriched in deuterium is converted to heavy water. Heavy water is useful in certain types of nuclear reactors. Write: **PATENT 1,143,752**, Allied Corporation, P.O. Box 2245R, Morristown, New Jersey 07960 and send a copy of your initial correspondence to Canadian Consulate General, 3 Parkway Building, Suite 1310, Philadelphia, Pennsylvania 19102-1366, U.S.A.

Bibliography

Small Business Assistance — Government of Newfoundland and Labrador/328

The Government of Newfoundland and Labrador will provide financial assistance to business and industry. Additional information can be obtained on the following program from: Government of Newfoundland and Labrador, Department of Development, Ocean Industries Sector, Atlantic Place, St. John's, Newfoundland A1C 5T7, tel: (709) 737-2781 or from Newfoundland and Labrador Development Corporation Ltd. (N.L.D.C.) representatives listed.

Ocean Industries Capital Assistance Program/328

Designed to stimulate further development of the Ocean Industries Sector by encouraging the expansion of Newfoundland companies or by helping to attract new ocean-related industry to the Province, the program is planned as a short-term incentive measure and is intended to be complementary to existing federal and provincial programs which are only available during the 1982-83 fiscal year. Eligible operations include those which manufacture, within the Province, products or equipment used primarily in the ocean industry sector. Certain operations which provide technical services that are considered essential to support the growth of ocean science and technology, and the ocean industry sector in general, are also considered eligible. Assistance available on other programs may also be requested.

Bruce Saunders
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Wm. T. (Bill) Fleck
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P.O. Box 780
Tourist Chalet
Grand Falls, Nfld.
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Bibliographie

Aide à la petite entreprise — Gouvernement de Terre-Neuve et du Labrador/328

Le gouvernement de Terre-Neuve et du Labrador a mis sur pied un programme d'aide financière à l'entreprise privée. Quant au programme décrit ci-dessous, on peut obtenir de plus amples renseignements à l'adresse suivante: Gouvernement de Terre-Neuve et du Labrador, Department of Development, Ocean Industries Sector, Atlantic Place, St. John's (Terre-Neuve) A1C 5T7 ou au numéro (709) 737-2781, ou encore auprès des représentants de la Newfoundland and Labrador Development Corporation Ltd. énumérés ci-dessous.

Programme d'aide à l'investissement de l'industrie océanique/328

Conçu pour stimuler l'essor de l'industrie océanique en favorisant l'expansion des entreprises terre-neuviennes et en attirant dans la province de nouvelles sociétés à vocation océanique, ce programme d'incitation à court terme complète les actuels programmes fédéraux et provinciaux qui n'auront cours que pendant l'exercice financier 1982-1983. Sont admissibles les entreprises qui, dans la province, fabriquent des produits ou du matériel destinés essentiellement à l'industrie océanique ou encore qui fournissent des services techniques jugés essentiels au soutien de la croissance de la science et de la technologie océaniques et à l'industrie océanique en général. De l'aide pour d'autres programmes est aussi disponible sur demande.

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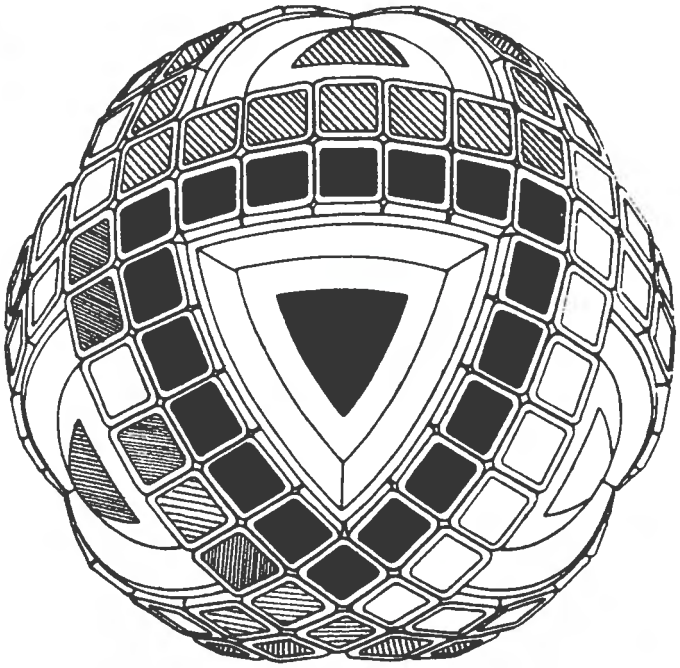
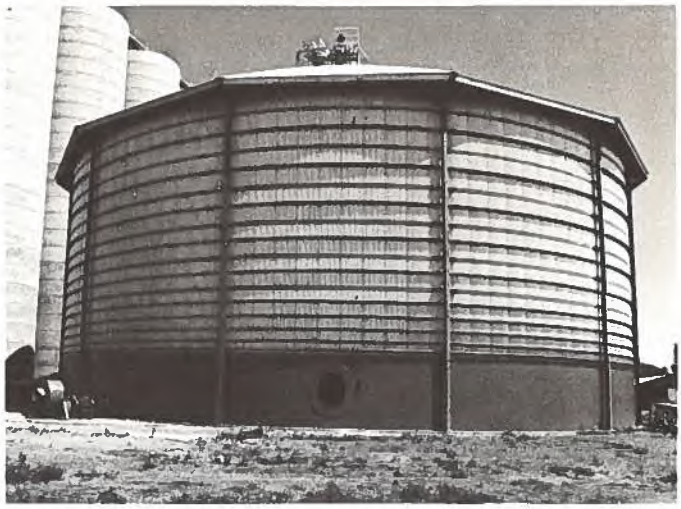
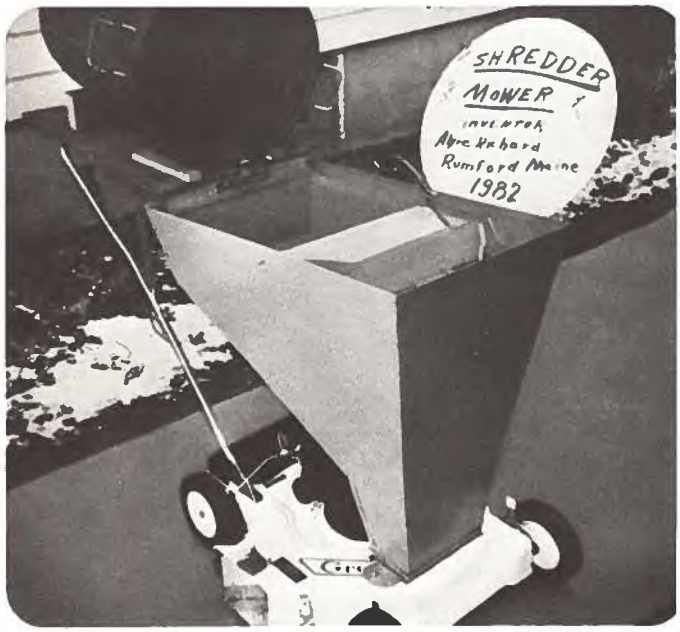


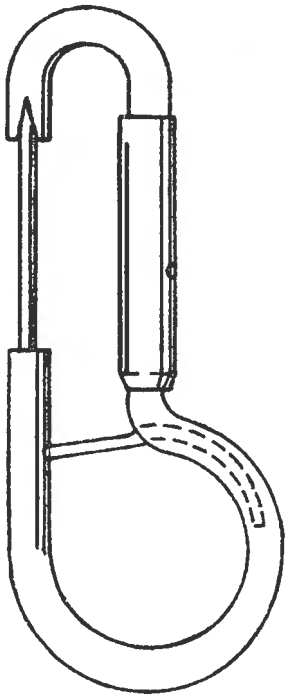
Three Dimensional Puzzle (See page 1)
Casse-tête tridimensionnel (Voir page 1)



Grain Silos (See page 3)
Silos à céréales (Voir page 3)



Shredding Accessory for Rotary Lawn Mower
(See page 6)
Déchiqueteuse pour tondeuse à gazon
(Voir page 6)



Locking Safety Pin and Key Carrier
(See page 5)
Épingle de sûreté verrouillable
(Voir page 5)

Prefabricated Glider Swing (See page 1)
Fauteuil va-et-vient préfabriqué (Voir page 1)

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