

ordinarily the case, in a trough, and whereby the intensity of electricity is obtained more readily, and the electric current is less likely to escape. Also in the mode of producing the chemicals or excitants for the batteries; and also in the mode of making the cells and the divisions thereof; and also of the general arrangement of earth or mineral batteries, and the useful results obtained therefrom.

2328. C. PARTINGTON. *Certain improvements in machinery or apparatus employed in the manufacture of paper.* Dated Sept. 18, 1861.

The object here is the separation of the superfluous liquid from "half stuff in order to prepare it for the willow and washing machine." The improvement consists in the employment of one or more pairs of bowls or rollers, supported in a framing, between which rollers the material in the state of half stuff passes, and is pressed until sufficiently solidified for the next operation. The material is fed to the rollers by means of an endless travelling cloth. The upper roller is formed or composed of large discs placed side by side and loose upon the central shaft.

2362. C. BOARD. *Improvements in veneering presses.* Dated Sept. 21, 1861.

This invention consists in constructing veneering presses in the following manner:—Upon a strong wood or metal frame the patentee lays and secures a sheet or plate of zinc or other metal, on the upper surface of which he fixes metal bars, in such manner that series of chambers or passages extending from end to end of the plate are formed. He places strips of wood or other suitable material at the ends and sides, and he covers the whole with another sheet of metal similar to the first, in order to obtain a smooth and hollow bed on which to perform the veneering. Having formed the hollow bed, he places pipes below it in communication with the end of each of the passages, at one end of which he admits steam, hot air, or hot water, which, travelling along the passages, passes off at the other end. Clamps are fitted to the press, which for convenience, he hinges at one end to the frame.

2363. H. & F. C. COCK. *Improvements in apparatus employed in the manufacture of gas.* Dated Sept. 21, 1861.

This relates to the dip pipe and hydraulic main, the object being to allow for the contraction and expansion, or rise and fall of the ascension pipe, and thereby to prevent the strain upon the joints of those pipes, and mouth-pieces of the retorts.

## PATENT LAWS OF CANADA.

We have received the following copy of a Bill to amend the Patent Laws of this Province, as introduced by the Hon. Mr. Moore, on Tuesday, the 6th of May, and set down for a second reading on Wednesday, the 14th of May. Should this Bill become law it will secure many of the benefits asked for in the Memorial of this Board, presented during the present Session, a copy of which is published in this number of the *Journal*.

## BILL.

*An Act for the Protection of British and Foreign Patentees of Inventions, and the encouragement of Arts and Manufactures.*

Whereas it is highly desirable that the inhabitants of this Province should be placed in a position to derive advantage from discoveries in the useful Arts and Manufactures made in other parts of the British Empire, and in the United States and other foreign countries, so far as may be consistent with justice to the parties making such discoveries; Therefore, Her Majesty, &c.:

1. Any person, or the assignee of any person, who has obtained, in Great Britain, or in any of the British Colonies, or in the United States of America or other foreign country, Letters Patent of Invention for any new and useful art, manufacture or machine; or composition of matter, may secure to himself all the privileges conferred by Letters Patent of Invention, issued in this Province under the now existing laws, by causing such Letters Patent so as aforesaid obtained to be enregistered at full length in the office of the Registrar of the Province, within six months from and after the passing of this Act; and any person, or the assignee of any person, who may hereafter obtain in Great Britain, or in any of the British Colonies, or in the United States of America, or in any other foreign country, Letters Patent of Invention for any new and useful art, manufacture, machine, or composition of matter, or any new and useful improvement upon any art, machine, manufacture or composition of matter, may, by causing such Letters so as last aforesaid obtained, to be enregistered at full length in the said office of the Registrar of the Province, within six months from and after the date of such last mentioned Letters Patent, secure to himself all the privileges conferred by Letters Patent of Invention issued in this Province, under the now existing laws.

2. Every such patentee, or assignee of a patentee, for the purpose of causing such Letters Patent to be enregistered in this Province, shall make a written application, signed by himself, or by his duly appointed attorney, to the Minister of Agriculture, and shall transmit to him duly authenticated copies in duplicate of such Letters Patent, and of the specifications, descriptions and drawings attached, or belonging thereto, and shall at the time of his application for such enregistration, pay to the said Minister of Agriculture the following fees, that is to say, the sum of thirty dollars.

3. Letters Patent so enregistered shall be and remain in force in this Province until the expiration of the period for which they have been or may be granted; and such enregistration shall secure to the patentee, or his assignee, during such period, all the rights and privileges that could be secured to him by Letters Patent obtained in this Province under the existing laws, all the provisions of which shall extend to such Letters Patent in as full and ample a manner as if such Letters Patent were granted in this Province under and in virtue of the same; Provided always, that any person who has or shall have purchased, acquired, constructed, or used any machine, manufacture or composition of matter included in such Letters Patent, so as aforesaid enregistered, previously to the enregistration thereof in this Province, shall