

fiel that although extremists may howl, every fair minded man will support him regardless of party. We want to know nothing about any race in Canada except Canadians. Whatever we may have been before we came to this country, we are Canadians now and it is the duty of every honest man to such a crisis to put country before party and support what is right even though the heavens should fall. If ever a man deserved hanging Riel does, and we think it would not only be mistaken clemency on the part of the government to pardon him, but it will introduce the principle of bringing into our courts of justice a pandering to national prejudice that will certainly work mischief in the long run. Our French Canadian fellow citizens must be taught that it is not revenge but justice that Canada wants, and that she is bound to have justice in each and every case no matter to what nationality the culprit belongs or what influence is brought to bear in his favor.

WORKSHOP NOTES.

CEMENT—A cement for meerschauum can be made of quicklime mixed to a thick cream with the white of an egg. This cement will also unite glass or china.

PEGWOOD—Watchmakers generally buy this article of watch material dealers. A small shrub known as Indian arrowwood, to be met with in the northern and western states, makes an excellent pegwood. It is to be cut when the sap is down and split into quarters, so as to throw the pith outside of the rod.

STAINS FROM MARBLE CASES.—To remove stains from marble cases, clock dials, etc., take equal parts of fresh oil of vitriol and lemon juice shake up these substances very thoroughly in a bottle, wet the spots with the mixture, and in a few minutes afterward rub with a soft linen cloth and the spots will be found to have entirely disappeared.

TOOLS RUSTING. The rusting of bright steel tools is due to the precipitation of moisture from the air. It may be prevented by keeping the air surrounding the goods dry, and chloride of lime, having a peculiar affinity for attracting moisture, is, with great benefit, used for the purpose by placing a saucer full of it in the case containing such tools or bright steel.

TRANSPARENT SIGNS.—A signmaker of Hamburg has adapted the following novel method for heightening the effects of a glass sign. He places colored and white glass splinters between two sheets of glass, on one of which the name is written, and protects everything else with a coat of varnish impenetrable to light. The rays of light passing through the name and figures will be decomposed in the prismatic hues, and produce a striking effect.

TO POLISH STEEL. A subscriber desires to know what is the best mixture for white metal polisher for steel for putting on a good black color. If the steel is of moderately good temper use a zinc polisher with diamantine for soft steel a tin polisher is better. The diamantine should be mixed on glass, with very little watch oil. Diamantine mixed with ordinary oil soon becomes gummy, and is unfit for use in a day or two, and if brought into contact with metal while mixing, turns black.

THE MIXING OF POLISHING MATERIAL.—Crocus should be thoroughly beaten upon glass or a polished steel stake, forming it into a stiff paste with very little oil. Far too much oil is generally used, and the mixture is made thinner than it should be. Olive or sweet oil is not suitable, and if used, the polishing stuff becomes gummy in a few days. Refined sperm oil answers well. Diamantine should be mixed in the same way, as dry as possible, so that when it is used the polisher is only just dampened with it.

TO HARDEN GOLD SPRINGS.—Gold detent, thermometer, suspension and balance springs can be imparted a higher degree of elasticity. Rolling hardens them, but they are rendered very brittle thereby. They can be made supple and elastic, not by hardening, as in the case of steel, but by annealing, care being taken not to exceed a certain degree of heat. The spring may be coiled on a block, and placed in a tube with a smooth steel lid, then heat the tube in the flame of a spirit lamp, and as soon as the steel is of a blue temper, remove the flame and allow the whole to cool.

OTHER NOTES.

A TROY lawyer gives as a reason for not going to Europe this summer, that a rich client of his has just died, and he was afraid the heirs would get the property.

THE latest novelty in purses in Paris is a baby's foot crocheted in silk, and furnished with a ring and clasp, like the old-fashioned long purses that a few persons still use.

A Buffalo physician, when asked the best preventative of smallpox to carry in the pocket, is said to have answered, "Camphor gum." It is the best thing to have on the person for that purpose and most all doctors use it.

THE microscopic edition of Dante, printed at Padua in 1873 was thought to be the smallest book in existence, but has had to give the place of honor to a newly-discovered "Officium" (Venice Giunti, 1630), which in the original cover measures only 33 by 48mm, about an inch and three tenths by one inch and eight tenths. This last book may be described as the smallest volume in the world.

ON some of the German postal cards is a printed formula designed to save time in imparting news transmissible by this medium. It runs as follows "Only a few lines to-day," then follows five lines, on which to write, then, "God be thanked, I am in good health and hope to hear that you are also. The weather is— write soon, and give my love to all. In haste, and here follows the signature. There is even place reserved for a postscript.

THE latest municipal returns of Toronto are very gratifying and show that the city is rapidly increasing both in population and commercial importance. The population is now 111,800, an increase during the year of 7,524, and the assessment, upon which next year's taxation will be based, reaches \$72,721,559, an increase of about three and a half millions over and above the figures of 1884. Since 1879 the assessed value of property in Toronto has increased by no less a sum than \$23,000,000.

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