

A VALUABLE WORK FOR INVENTORS PATENTEES AND MANUFACTURERS.

The publishers of the SCIENTIFIC AMERICAN have just prepared with much care, a pamphlet of information about Patents and the Patent Laws, which ought to be in the hands of every inventor and patentee, and also of manufacturers who use patented inventions.

SALE OF CONDEMNED NAVY CANNON.

BUREAU OF ORDNANCE, NAVY DEPARTMENT, WASHINGTON CITY, Feb. 17, 1864. Notice is hereby given that on the 1st day of March next, at 12 o'clock, M., there will be sold, at public auction, at the Navy Yard, Brooklyn, N. Y.

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MESSEIERS LES INVENTEURS.—AVIS IMPORT-ANT. Les inventeurs non familiers avec la langue Anglaise, et qui préferent nous communiquer leurs inventions en Français, peuvent nous adresser dans leur langue natale. Envoyez nous un dessin et une description concise pour notre examen. Toutes communications seront reçues en confiance. MUNN & CO., Scientific American office, No. 37 Park I. New York

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For further particulars address— MUNN & CO., Publishers of the SCIENTIFIC AMERICAN, No. 37 Park Row, New York City

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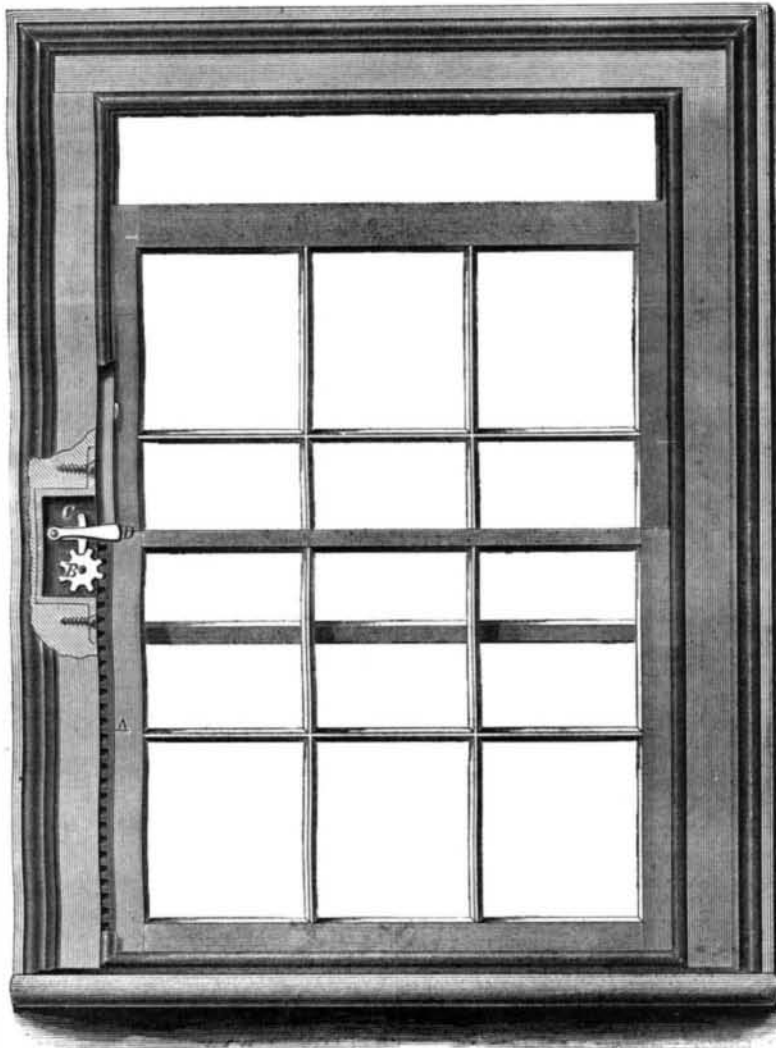
Sur Beachtung für deutsche Erfinder. Die Unterzeichneten haben eine Anstalt, die Erfindern das Verbalten anzeigt, um sich ihre Patente zu sichern, herausgegeben, und veröffentlichen solche gratis an dieselben. Erfinder, welche nicht mit der englischen Sprache bekannt sind, können ihre Mitteilungen in der deutschen Sprache machen. Etügen von Erfindungen mit kurzen, deutlich beschriebenen Zeichnungen beliebe man zu adressieren an MUNN & Co., 37 Park Row, New-York. Auf der Office wird deutsch besprochen. Beschrift ist zu haben: Die Patent-Gesetze der Vereinigten Staaten. nebst den Regeln und der Geschäftsordnung der Patent-Office und Anleitungen für den Erfinder, um sich Patente zu sichern, in den Ver. St. sowohl als in Europa. Ferner Auszüge aus den Patent-Gesetzen fremder Länder und darauf bezügliche Nachrichten; ebenfalls nützliche Winke für Erfinder und solche, welche Patente zu erwerben. Preis 20 Cts., per Post 25 Cts.

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the purpose. The appliance is simply a steel ring, A, as shown in Figs. 1, 2 and 3, with two horns, B, and a tooth or blade, C, between them. The operation is as follows:—The loose end of the cartridge is placed between the two horns and pressed on the fleam-shaped tooth; by simply pulling the cartridge away

fort to the soldier. The ring can be made so as to turn up against the barrel when not in use. A patent was granted on this invention, through the Scientific American Patent Agency, on Dec. 16, 1862, to Daniel Kelly, of Grand Rapids, Mich. For further information address the inventor at that place.



CLOUGH'S WINDOW-SASH STOP.

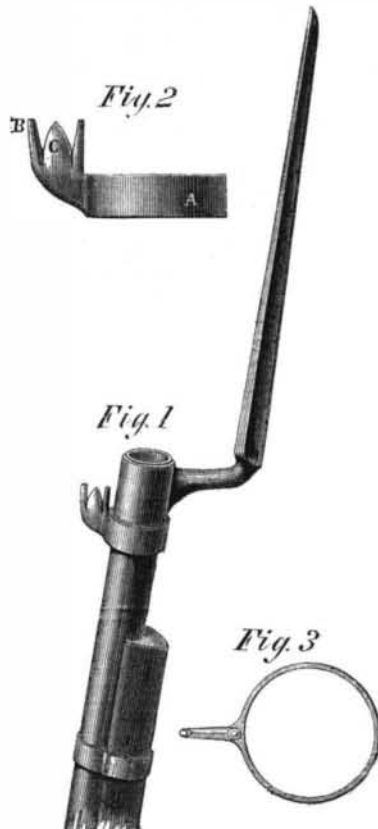
require to be renewed. With a good mechanical fixture for the purpose, a window-sash works to perfection; and is never an annoyance from the causes mentioned. The stopherewith illustrated is simple in construction and design, being nothing more than a rack, A, secured to the sash frame, and a pinion, B, set in a small iron case on the side of the frame. This pinion has a pawl, C, working in the teeth, in such a manner that it can be liberated at any moment desired, by simply pressing on the latch, D. When this is done the sash descends, and may be sustained at any point by relaxing the pressure on the pawl. By this arrangement it will be seen that no springs are needed, the mere elevation or depression of the pawl being all that is required to operate the sash. There is nothing visible outwardly but the small handle of the pawl, our engraving being merely broken away to show the inner parts. There is but one stop on each sash. This sash-stop is the invention of R. W. Clough, of 191 South 5th street, Williamsburgh, N. Y., and was patented through the Scientific American Patent Agency, on Jan. 5th, 1864; further information can be had by addressing either the inventor or E. G. Vyse, 33 Grand street, Williamsburgh.

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Singular as the statement may appear to some, it is said to be true that the simple act of biting off the end of the cartridge in battle becomes a source of great distress to the soldier when many times repeated. This is owing to the niter in the powder, which causes intense thirst, amounting in course of time to suffocation. If this be true, then the simple device herewith illustrated is a decided acquisition to the long list of inventions called forth by the war; for by its use the loose end of the paper cartridge is torn off

the end is torn off and the contents may be poured into the barrel; all this is done with one hand, and

in a short practice can be performed as dexterously as by the old-fashioned way and with much greater com-



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THE
Scientific American,
FOR 1864!

VOLUME X.—NEW SERIES.

The publishers of the SCIENTIFIC AMERICAN respectfully give notice that the Tenth Volume (New Series) commenced on the first of January. This journal was established in 1845, and is undoubtedly the most widely circulated and influential publication of the kind in the world. In commencing the new volume the publishers desire to call special attention to its claims as

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