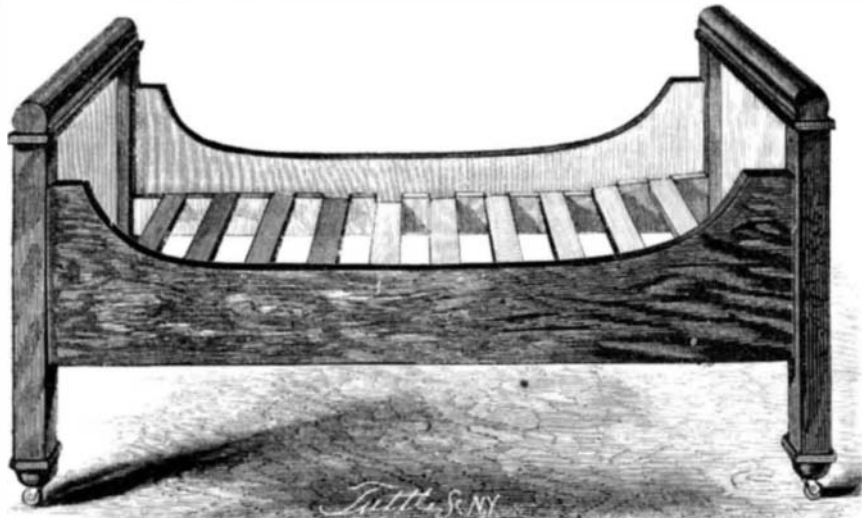


Improved Inclined Slat Bedstead.

Many devices have been resorted to with the object of promoting comfortable repose and rest, by improvements in bedsteads. A new invention in this direction has been patented by A. Rothwell, of Washington City, which consists in so arranging the slats as to produce a partially curved surface, adapted to the form of the body, as represented in the engraving.

The depression is made by deepening the mortises for three or four of the slats, about equidistant between the head and foot of the bedstead, so that a regular curve is formed, two feet in length and three inches greatest depth, more or less. In bedsteads having sufficient depth of rail or side piece, a further modification may be made, by raising above the level a slat or two at the head, so as to require a smaller pillow, as shown in the engraving.

This invention, while it is greatly promotive of the comfort of all persons, is especially adapted to contribute to the ease and rest of invalids. With this arrangement a comfortable bed may be made with a thin mattress. The invention commends itself to general use by its manifest utility and cheapness, costing little more than the common arrangement, and also being easily adapted to bedsteads already in use.



ROTHWELL'S IMPROVED BEDSTEAD.

The patentee may be addressed with reference to the disposal of rights.

Bayonet Wounds.

Our knowledge of bayonet wounds has been so limited that their effects have been, until a recent period, involved in considerable doubt and even mystery. Experience, however, teaches that we have exaggerated the nature of these injuries, and attributed to them formidable qualities which they happily do not possess.

Why is it that soldiers have such terrible fear of the bayonet? Why is it that the determined approach of a line of glistening steel makes the cheek blanch and causes the bravest hearts to waver? Why do we in many battles witness the rout of lines that have unflinchingly withstood a continued galling fire of musketry and artillery, as soon as the opposing line approaches closely with fixed bayonets? This dread of "cold steel" is, in my humble opinion, mainly attributable to ignorance of the nature of the injuries inflicted by it. There appears to exist in the minds of men a vague dread of transfixion by the bayonet. But this would probably not be so, were it generally known that bayonet wounds are almost harmless, when compared to the plowed tracks which the terrible minié bores through the tissues. The bayonet, on account of its less velocity, is easily diverted from a straight course by bony, cartilaginous, and tendinous tissues, and forms a smooth track, whilst the minié is relentless in its course, whirling with unimpeded force through all opposing structures, crushing, tearing, maiming all. A bayonet wound almost invariably heals by first intention under auspicious circumstances, and leaves no deformity behind, whilst the simplest ball wound requires weeks for a complete recovery, and then perhaps leaves the sufferer with a contracted and useless limb.—Dr. Baruch.

THE COMING EXHIBITION by the American Institute of the city of New York is of such general interest that we direct the attention of inventors and manufacturers to an advertisement in another column which informs those who desire to compete for prizes how they may, by prompt action, secure a place. We are informed that many novelties have already been promised and it is confidently asserted that this Exhibition will surpass all former displays by its extent, variety, and attractiveness.



PATENTS

The First Inquiry that presents itself to one who has made any improvement or discovery is: "Can I obtain a Patent?" A positive answer can only be had by presenting a complete application for a Patent to the Commissioner of Patents. An application consists of a Model, Drawings, Petition, Oath, and full Specification. Various official rules and formalities must also be observed. The efforts of the inventor to do all this business himself are generally without success. After a season of great perplexity and delay, he is usually glad to seek the aid of persons experienced in patent business, and have all the work done over again. The best plan is to solicit proper advice at the beginning.

If the parties consulted are honorable men, the inventor may safely confide his ideas to them: they will advise whether the improvement is probably patentable, and will give him all the directions needful to protect his rights.

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Those who have made inventions and desire to consult with us, are cordially invited to do so. We shall be happy to see them in person, at our office, or to advise them by letter. In all cases they may expect from us an honest opinion. For such consultations, opinion, and advice, we make no charge. A pen-and-ink sketch, and a description of the invention should be sent, together with stamps for return postage. Write plainly, do not use pencil nor pale ink. All business committed to our care, and all communications, are kept by us secret and strictly confidential. Address MUNN & CO., 37 Park Row, New York.

In Order to Apply for a Patent, the law requires that a model shall be furnished, not over a foot in any dimensions, smaller, if possible. Send the model by express, pre-paid, addressed to Munn & Co., 37 Park Row, N. Y., together with a description of its operation and merits. On receipt thereof we will examine the invention carefully and advise the party as to its patentability, free of charge.

The model should be neatly made of any suitable materials, strongly fastened, without glue, and neatly painted. The name of the inventor should be engraved or painted upon it. When the invention consists of an improvement upon some other machine, a full working model of the whole machine will not be necessary. But the model must be sufficiently perfect to show, with clearness, the nature and operation of the improvement.

New medicines or medical compounds, and useful mixtures of all kinds, are patentable. When the invention consists of a medicine or compound, or a new article of manufacture, or a new composition, samples of the article must be furnished, neatly put up. Also, send us a full statement of the ingredients, proportions, mode of preparation, uses, and merits.

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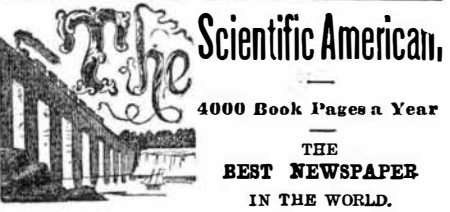
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