

UNITED STATES PATENT OFFICE.

OLIVER S. JUDD, OF NEW BRITAIN, CONNECTICUT.

IMPROVED MATERIAL FOR THE MANUFACTURE OF BUTT-HINGES, &c.

Specification forming part of Letters Patent No. 43,117, dated June 14, 1864.

To all whom it may concern:

Be it known that I, OLIVER S. JUDD, of New Britain, county of Hartford, and State of Connecticut, have discovered that the composition known as "laminated zinc" as a substitute for other metals in the manufacture of butts is a great improvement; and I do hereby declare that the mode of manufacture with this composition is nearly or quite the same as in the manufacture of butts where other metals are used.

The object desired and believed to be attained by this discovery is to greatly reduce the cost of butts, first, in the saving of labor afforded by the extra ease and rapidity in the manufacture, and, second, in the cost of stock.

The ingredient or ores of this composition are several; but as the raw material from which the sheet of laminated zinc is produced ready for use forms no part of my discovery, I will not enter into their description.

It will readily be seen that the substitution

of this composition, known as "laminated zinc," for other metals—such as iron, brass, &c.—in the manufacture of butts, will greatly reduce the cost in the proportion of less than thirteen to fifty-four, something less than one-fourth of that of brass, while the malleability or ductility of this metal allows of its being worked more easily and rapidly, and at the same time for very many purposes it is superior, aside from the difference in the cost of the stock, and will not corrode, like brass, or rust, like iron, it being of a lubricating tendency, yet it will easily receive a high (silver-plate or other) finish.

What I claim, therefore, and desire to secure by Letters Patent, as of my own discovery is—

The substitution of the composition known as "laminated zinc" for other metals in the manufacture of butts.

OLIVER S. JUDD. [L. S.]

Witnesses:

MARCELLUS CLARK,
MERRITT BRONSON.