

(12) **United States Patent**  
**Ladd**

(10) **Patent No.:**

**X9165**

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(54) **FIRE-ARMS, OVERLAYING WITH TIN, &C.**

(76) **Inventor: Samuel Ladd**

Samuel Ladd of Waltham Massachusetts  
 Letters Patent,

The schedule referred to in these Letters Patent and making a part of the same containing a description of the words of the said Samuel Ladd himself of his improvement in overlaying fire arms with Tin or some compound of a similar nature

To all to whom these presents shall come. Be it known that I, Samuel Ladd of Waltham in the County of Middlesex and State of Massachusetts have invented a new and useful improvement in overlaying fire arms with Tin or some compound metal of a similar nature and the following is a full and exact description thereof to wit: The above named improvement consists in coating over the barrel out side and inside, also the lock, ramrod, bayonet and all the metallic part of fire arms with tin or some compound metal thereby to prevent the same from corroding with rust, also in firing the piece there is greater force imparted to the charge.

What I claim as my <sup>own</sup> invention and not previously known in the above named improvement is the application of tin or some compound metal of a similar nature to fire arms

Witness my hand  
 David Townsend  
 & David Moore  
 James M. Day

Samuel Ladd.

8-27/46