

J. W. MUNSON.

MANUFACTURE OF RUBBER COATED CARRIAGE TRIMMINGS.

No. 104,056.

Patented June 7, 1870.

fig. 1.

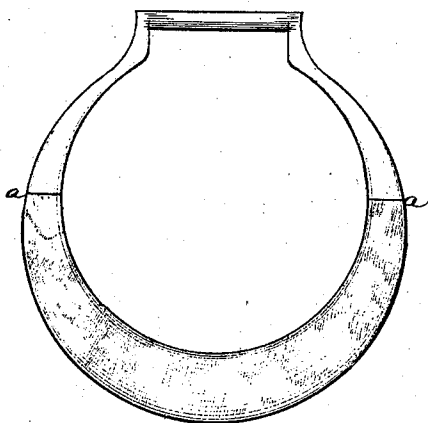


fig. 2.

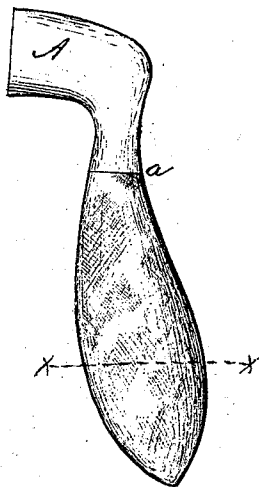


fig. 3.

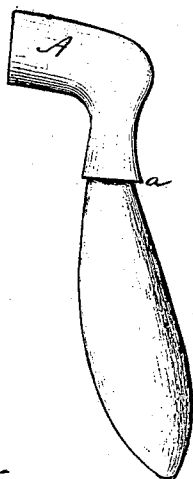


fig. 4.



Witness

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Letters Patent No. 104,056, dated June 7, 1870.

IMPROVEMENT IN THE MANUFACTURE OF RUBBER-COATED CARRIAGE-TRIMMINGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN W. MUNSON, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new Improvement in Coating Carriage-Trimnings with India Rubber; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figure 1, a front view of the loop which is fixed to the door, to facilitate the closing of the door;

Figure 2, a side view of the latch-handle;

Figure 3, the metal portion of the latch-handle; and in

Figure 4, a transverse section of the handle on line *x z* of fig. 2.

This invention relates to an improvement in carriage-trimnings, generally used upon the interior of carriages, the object being to make these articles stronger, cheaper, better, and more ornamental than has heretofore been done; and

It consists in coating metallic carriage-trimnings and similar articles wholly or in part with a combination of different-colored India rubber, or any of its allied gums, which may be molded upon the articles, and subsequently hardened by the curing process.

Heretofore these articles have been made entirely of metal and plated, or partly of metal, with the parts of other material, as pearl, ivory, &c., fitted into sockets formed on the parts.

In my invention I form the articles according to the desired shape, as, for instance, the handle in fig. 2. The spindle-socket *A* and handle, down to about the point *a*, I form in the usual manner. The remaining portion I form slightly reduced from the required size, as seen in fig. 3.

I then coat the surface with prepared gum, preferring India rubber, which is compounded to make what is known as hard rubber.

To give a more ornamental appearance to the handle, and in imitation of choice woods, I combine different-colored gums, as, for rosewood, take red and

black, and mingle the two, so as to indicate the grain of the wood, as shown by the shades of light and dark in the figures.

The gum laid upon the surface of the handle, the handle is then placed in suitable dies, and the gum pressed hard thereon, then cured in the usual manner.

The articles thus produced are strong as the metal itself, and the surface of the gum, highly polished, gives to the articles an appearance of elegance which cannot be produced in any other way.

Other articles, as the pull-loop, fig. 1, are formed in substantially the same manner, the part below the shoulder *a* being prepared and coated as described for the handle.

From this description, it will be evident to those skilled in the art that other articles may in like manner be coated.

The cheapness of this construction will be apparent, when it is considered that the whole portion of the article below the point *a* must be made solid, of such ornamental material, and the parts mechanically secured together, whereas, in this construction, the metal is continued nearly the full size throughout the extent of the article, and the metal is cheaper than any ornamental material suitable for such work.

In combining different colors to produce the desired effect, some degree of care must be exercised in the combination of the gums, as, for instance, in rosewood, in which the base is red, the black should be laid in imitation of the grain, and care should be exercised that the red, when cured, should be the proper tint, and to produce such colors, those skilled in the working of gums will readily understand.

I claim as my invention—

As a new article of manufacture, carriage-trimnings, coated wholly or in part with India rubber or similar gums, prepared and applied substantially in the manner herein set forth.

JOHN W. MUNSON.

Witnesses:

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