

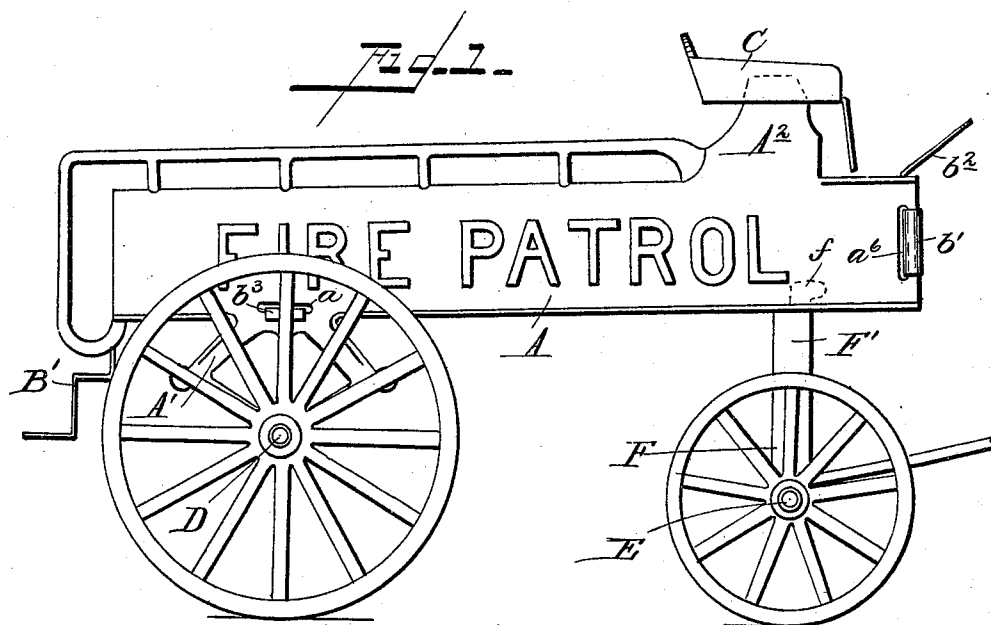
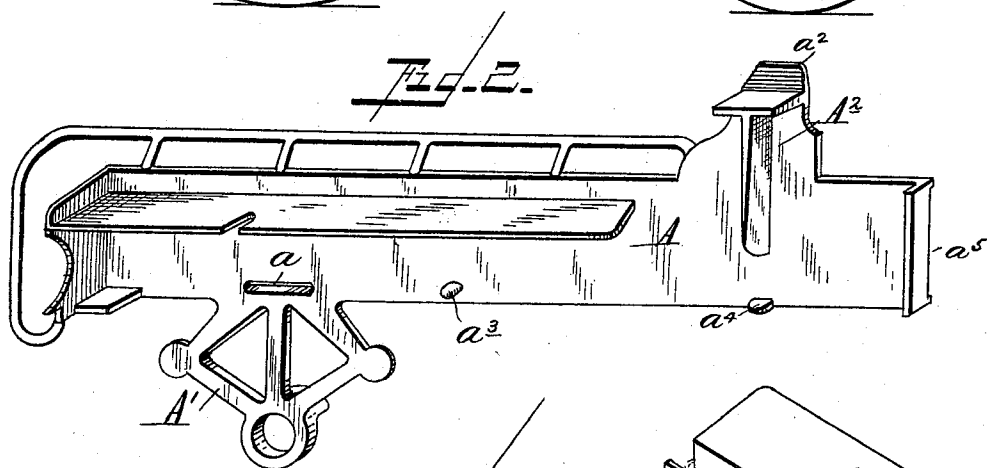
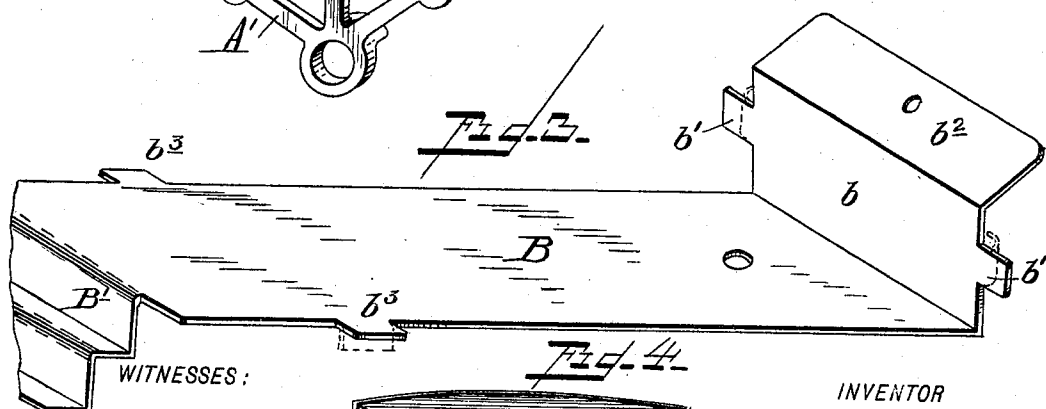
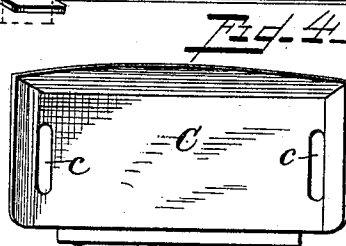
No. 642,525.

Patented Jan. 30, 1900.

H. T. KINGSBURY.
TOY VEHICLE.

(Application filed Oct. 10, 1899.)

(No Model.)



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HARRY THAYER KINGSBURY, OF KEENE, NEW HAMPSHIRE.

TOY VEHICLE.

SPECIFICATION forming part of Letters Patent No. 642,525, dated January 30, 1900.

Application filed October 10, 1899. Serial No. 733,172. (No model.)

To all whom it may concern:

Be it known that I, HARRY THAYER KINGSBURY, a citizen of the United States, residing at Keene, in the county of Cheshire, State of New Hampshire, have invented certain new and useful Improvements in Toy Vehicles, of which the following is a description, reference being had to the accompanying drawings and to the letters of reference marked thereon.

10 My invention relates to toy vehicles.

The object of the invention is to cheapen and simplify the construction of this class of toys by forming the sides of the vehicle of two separate castings and the bottom from a struck-up sheet-metal plate, the bottom and sides having interlocking fastening devices for securing them together.

15 A further object is to provide the sheet-metal bottom with an upward extension at its forward end to constitute the front end of the vehicle; also, to provide its rear end with a depending series of integral steps; also, to form the rear-axle bearings integral with the cast-metal sides; also, to provide the cast-metal sides near their forward ends with integral seat-standards which project through apertures punched in a seat struck up from sheet metal.

20 These objects I accomplish by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a side elevation of a toy vehicle in the form of a fire-patrol provided with my improvements. Fig. 2 is a side elevation or partial perspective of one of the sides of the vehicle detached. Fig. 3 is a perspective of the bottom, and Fig. 4 is a plan of the seat.

25 A A are the sides of the vehicle, formed of cast metal and having depending axle-bearings A' A' near their rear ends and provided at their upper edges, near their forward ends, with seat-standards A², the upper ends of which terminate in securing-lugs a². The sides A are provided at the juncture of the axle-bearings with slots a. Beyond these slots a the sides are formed with upper and lower inwardly-projecting lugs a³ and a⁴, respectively, and the front ends of the sides are provided with inwardly-projecting flanges a⁵ and also with vertical slots a⁶ immediately behind these flanges.

30 B designates the sheet-metal bottom of the

vehicle, with its longitudinal side edges between the upper and lower lugs a³ and a⁴ and having its forward upturned end b closing the space between the forward ends of the sides and there provided with two ears b', which pass through the slots a and are clenched or bent over upon the sides A to assist in holding them together. The upper portion of this front extension b is bent outwardly to form the footboard b². The opposite edges of the bottom B are further provided with ears or lugs b³, which are passed through the slots a and bent down or upset, so as to form a strong connection at this point. It will be seen that the lugs b' b³ hold the sides against moving toward each other or apart and, in connection with the lugs a³ and a⁴, serve to rigidly connect the body portions of the vehicle.

B' designates the steps, formed integral with the sheet-metal body and struck up at the same time with the bottom.

C designates the driver's seat, struck up from a single piece of sheet metal and formed with end slots c, through which project the lugs on the upper end of the seat-standards a².

D is the rear axle, provided with wheels, as usual, and E is the front axle, mounted in the rear ends of the thill-frame F, which frame is arched above the axle, as at F', and provided with a hooked pivot-lug f, which passes through an aperture in the forward end of the bottom B.

The vehicle shown in the drawings is in the form of a patrol-wagon; but I desire it understood that the form of the vehicle is entirely immaterial, as the cast-metal sides and sheet-metal bottom, with interlocking connections, may be used in connection with toy vehicles of all sorts of shapes, as will be readily understood by those familiar with the manufacture of such articles.

The method described of constructing the vehicle not only results in cheapening the same, but a stronger toy is produced than where the whole vehicle is formed of cast metal.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A toy vehicle having its body formed of cast-metal sides, a sheet-metal body having

an upturned end closing the front of the body and interlocking connections between the sides and the bottom; substantially as described.

5 2. A toy vehicle having its body formed of sides, provided with seat-standards terminating in securing-lugs, a sheet-metal bottom, interlocking devices securing the bottom and
10 sides together, and a seat having end slots through which the said securing-lugs project; substantially as described.

3. A toy vehicle having its body formed of cast-metal sides, a sheet-metal bottom having an upturned forward end closing the space
15 between the forward ends of the sides, an integral step at its rear end, and interlocking devices for securing the sides and the bottom together; substantially as described.

4. A toy vehicle having its body formed of
20 sides provided with front and rear slots and formed along their lower edges with inwardly-projecting upper and lower lugs, and a sheet-metal bottom between said upper and lower lugs and formed at its opposite sides with
25 front and rear lugs, or ears passed through said slots and upset or bent over; substantially as described.

5. A toy vehicle having its body formed of sides, having front and rear securing-slots,

integral rear-axle bearings and integral seat-standards terminating in securing-lugs and a sheet-metal bottom having an upturned forward end closing the forward end of the vehicle, opposite side lugs or ears passed through the said slots and upset or bent over; the rear
35 end of the bottom terminating in a depending integral step, and a seat having end slots receiving the lugs on the seat-standards; substantially as described.

6. A toy-vehicle body comprising two sides
40 having inwardly-projecting flanges a^5 , at their front ends, upper and lower inwardly-projecting lugs a^3 , a^4 , at the lower edges of the sides, and integral depending axle-bearings, the sides being also provided with slots a , a^6 ,
45 and the sheet-metal bottom with its side edges between the lugs a^3 , a^4 , and formed thereon with outwardly-projecting ears b passed through the slots a and upset and the front extension b behind the flanges a^5 and having
50 ears b' projecting through slots a^6 and upset; substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY. THAYER KINGSBURY.

Witnesses:

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