

No. 654,628.

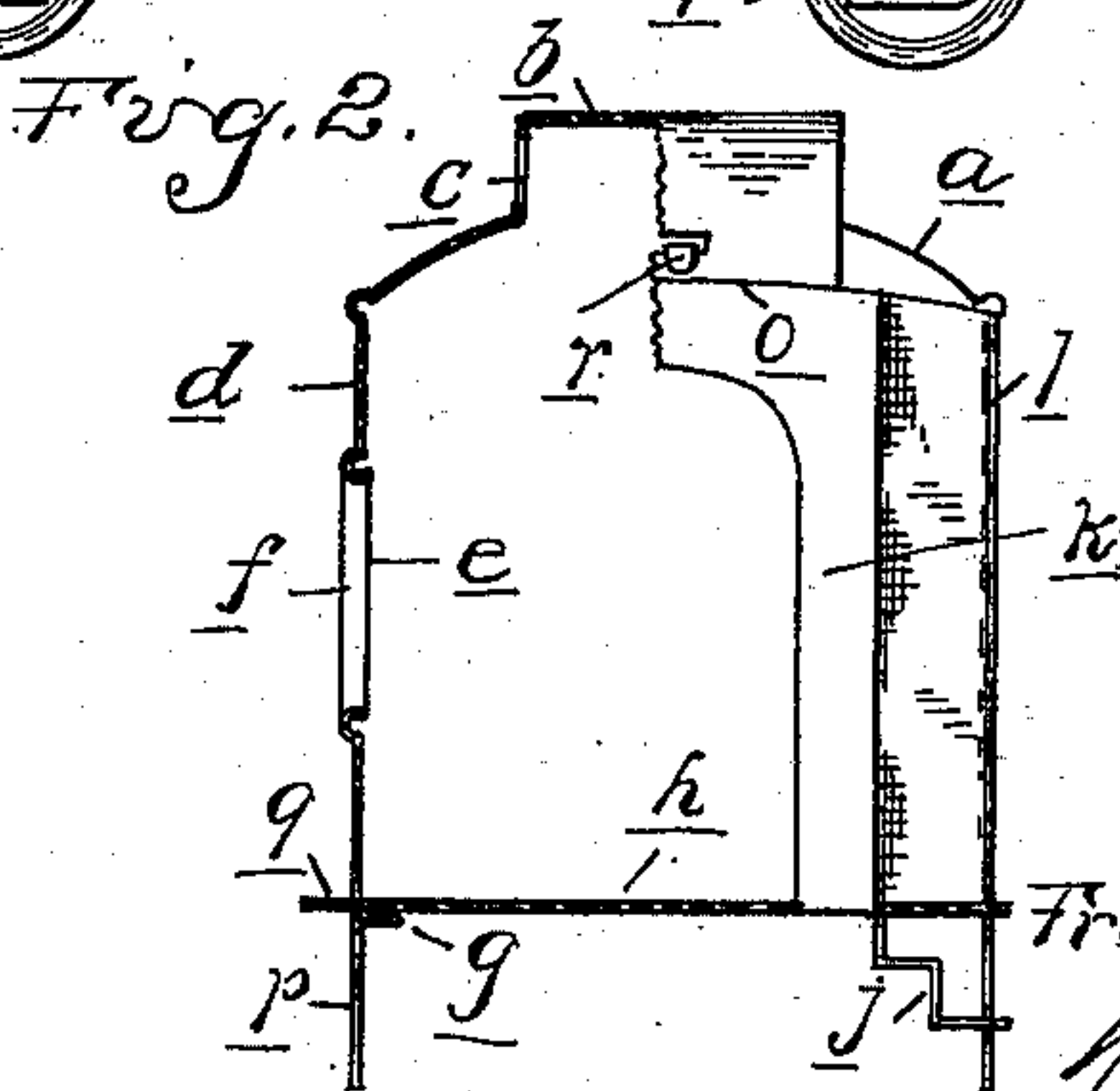
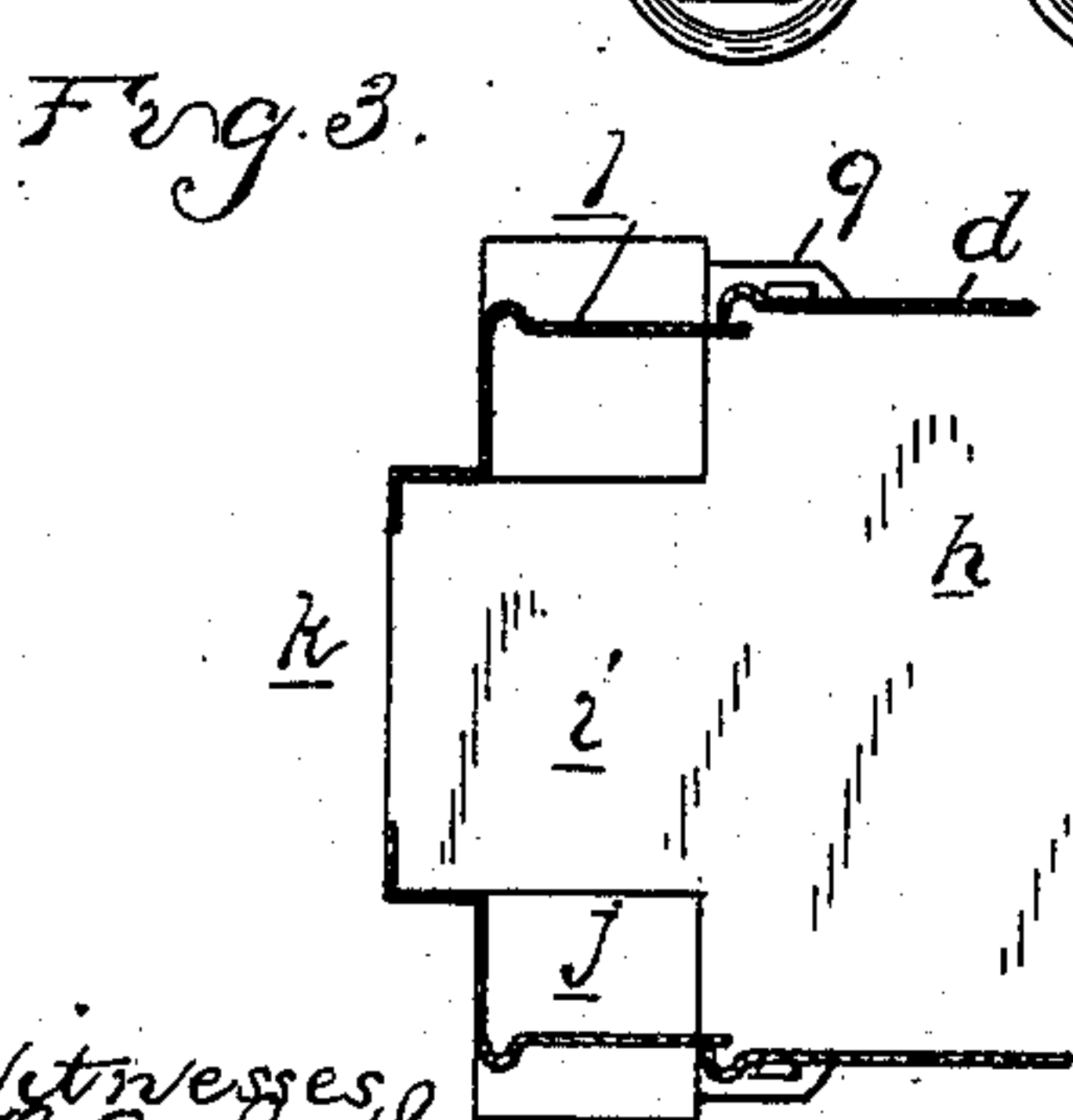
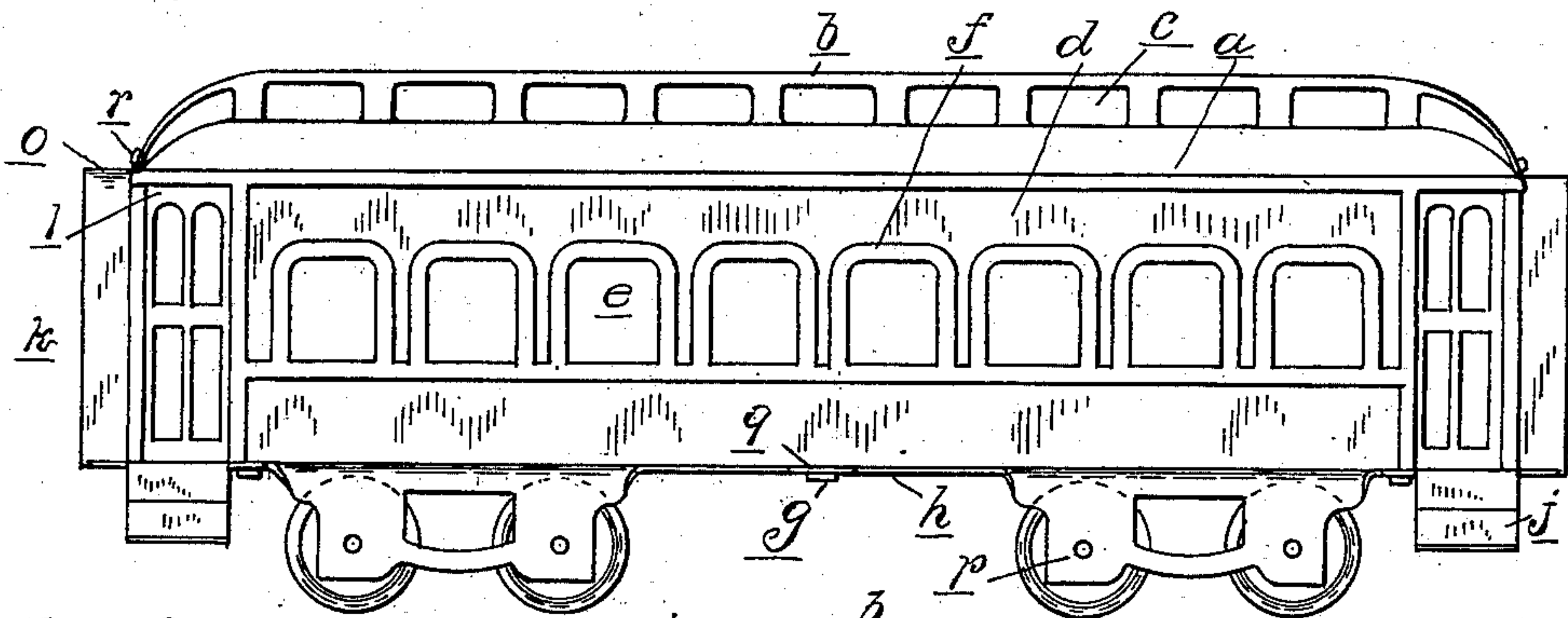
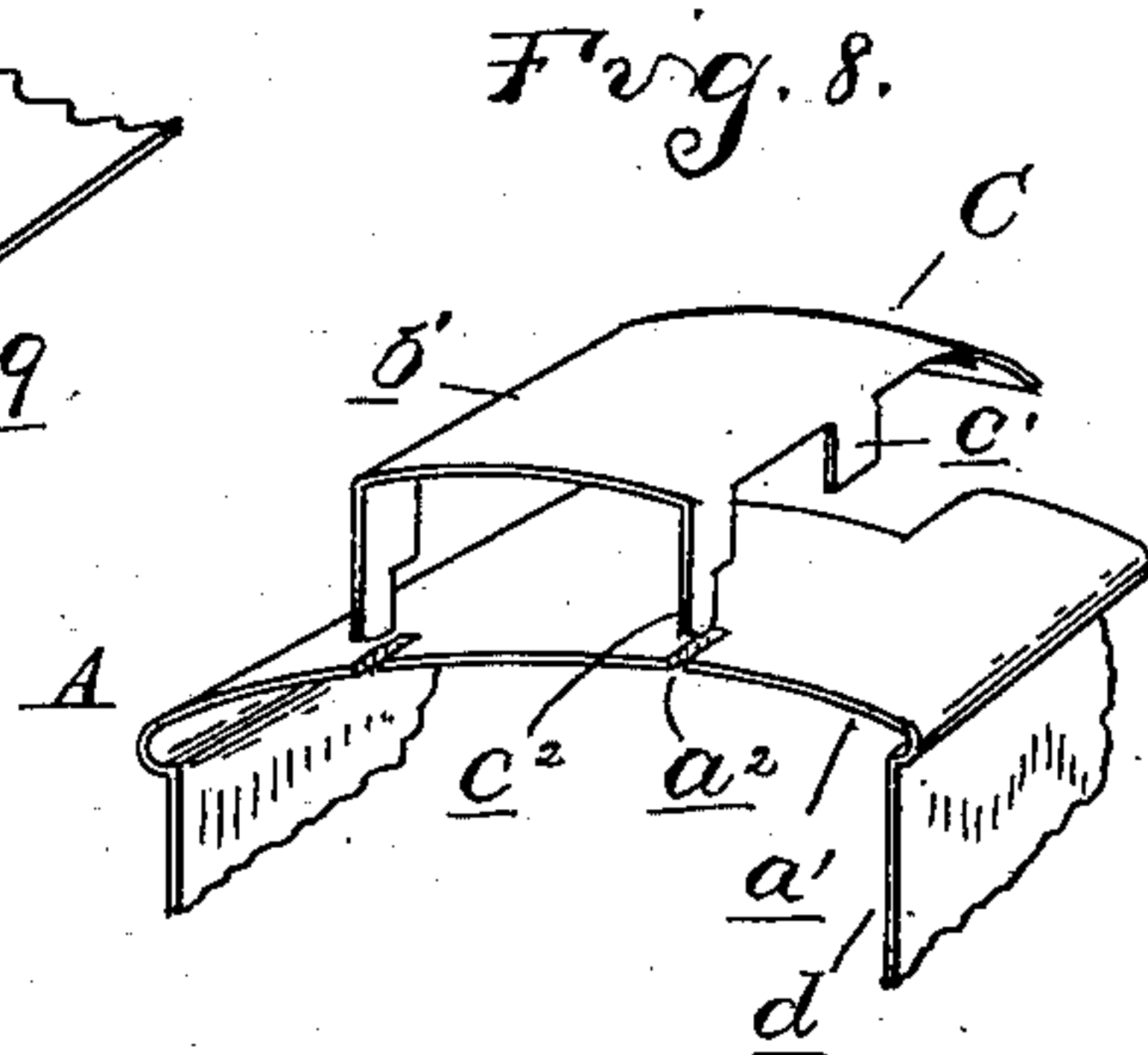
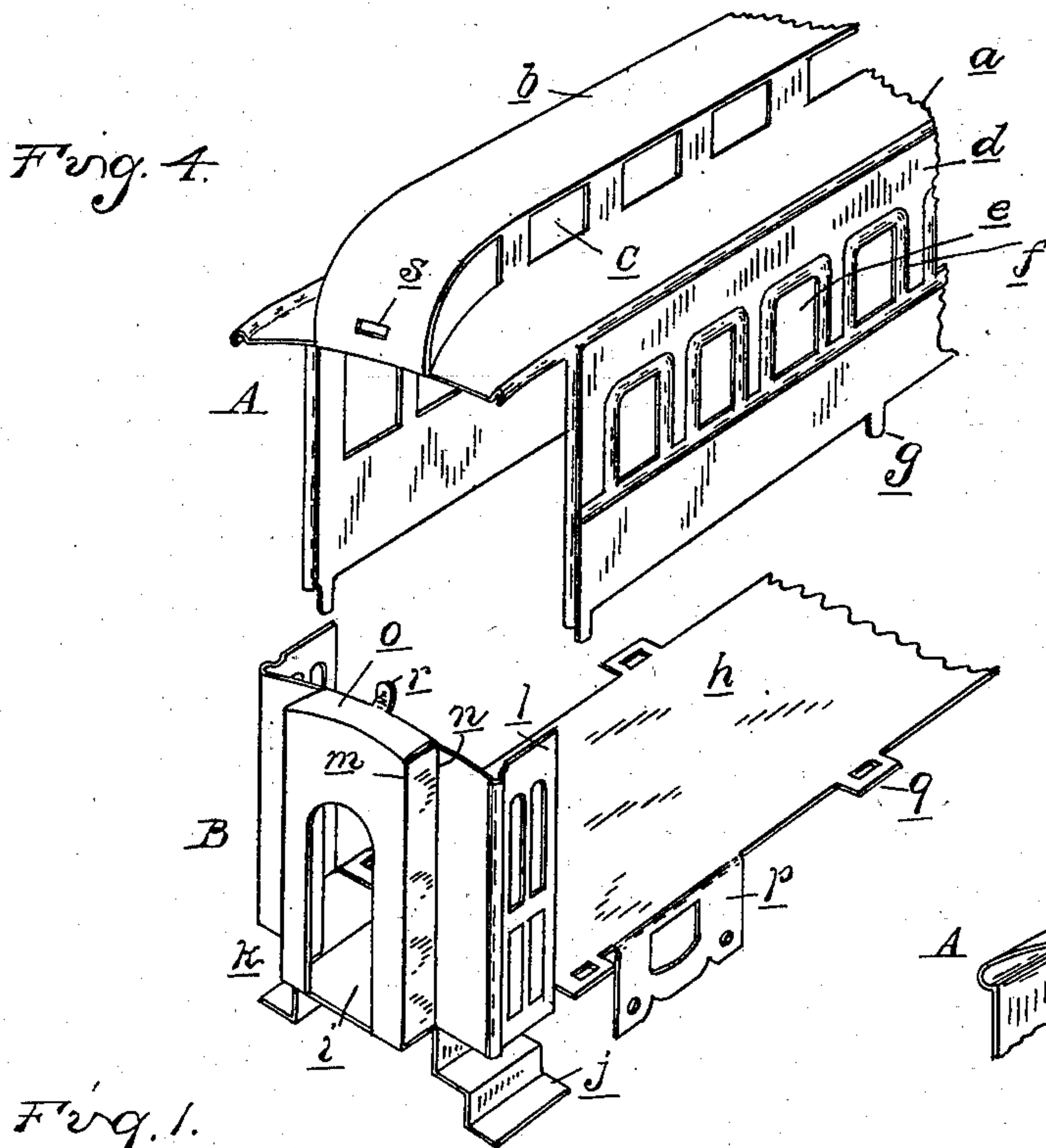
Patented July 31, 1900.

F. H. HARRIS.
TOY CAR.

(Application filed July 17, 1899.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
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2 Sheets—Sheet 2.

Fig. 5.

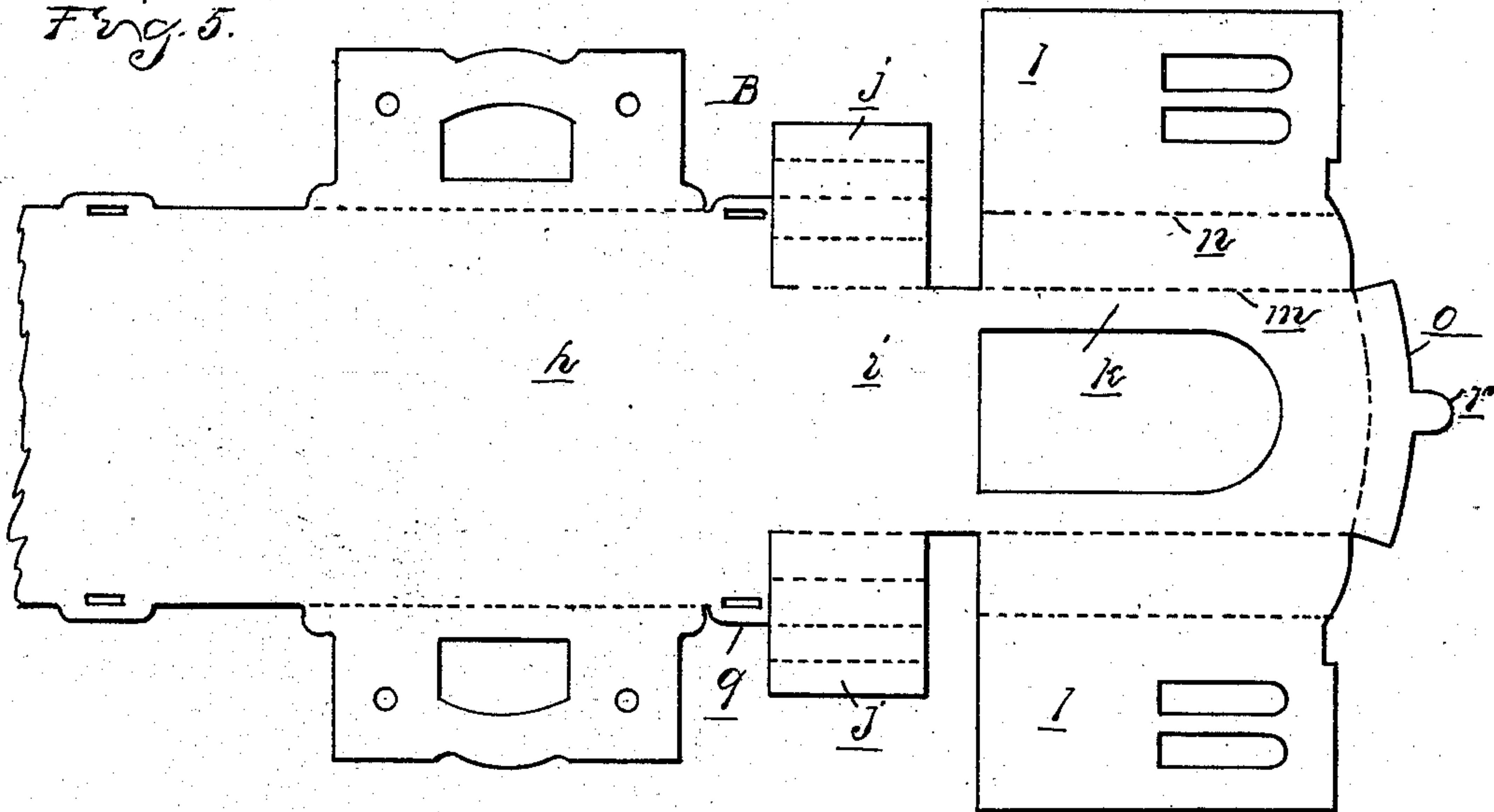


Fig. 6.

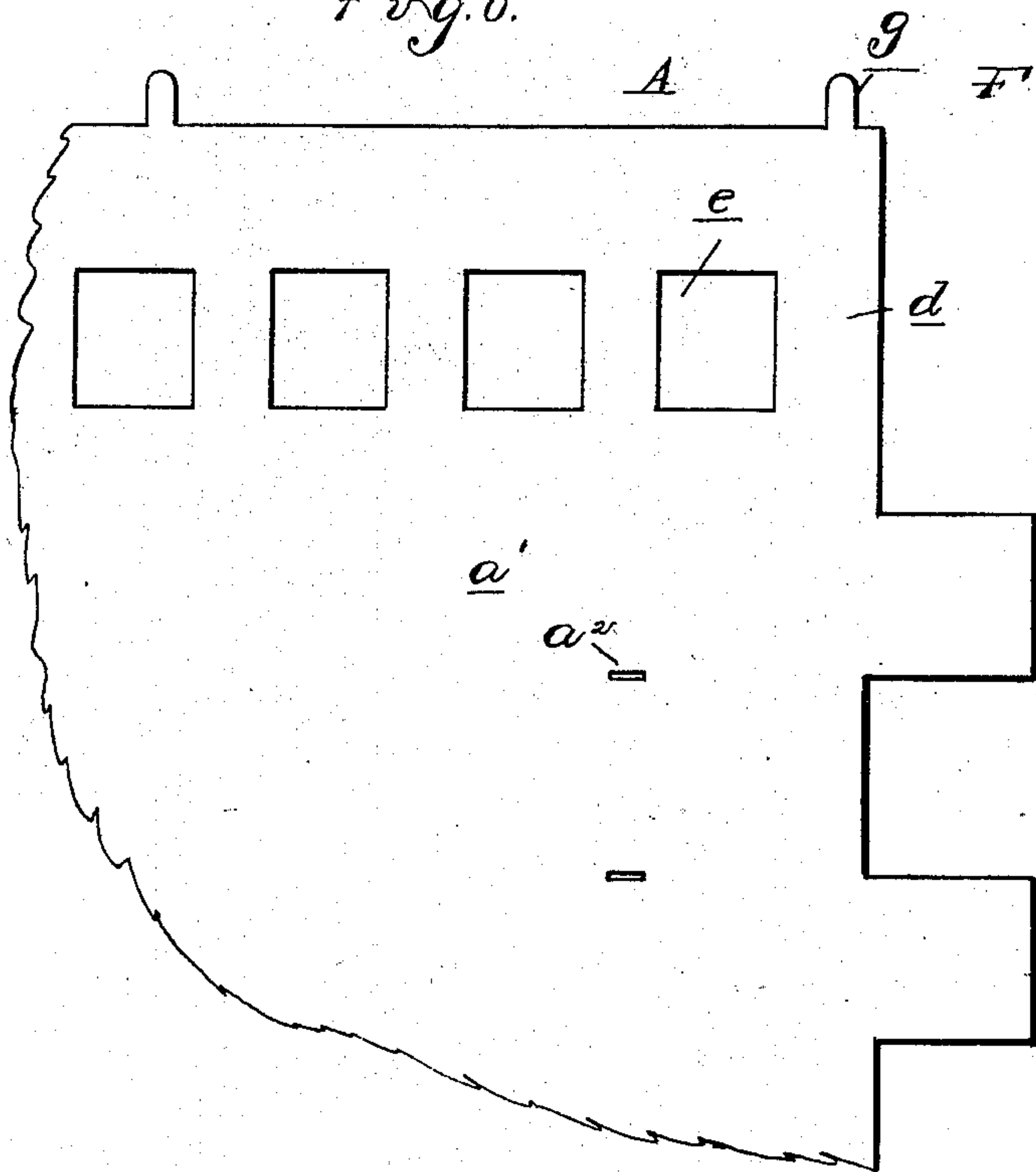
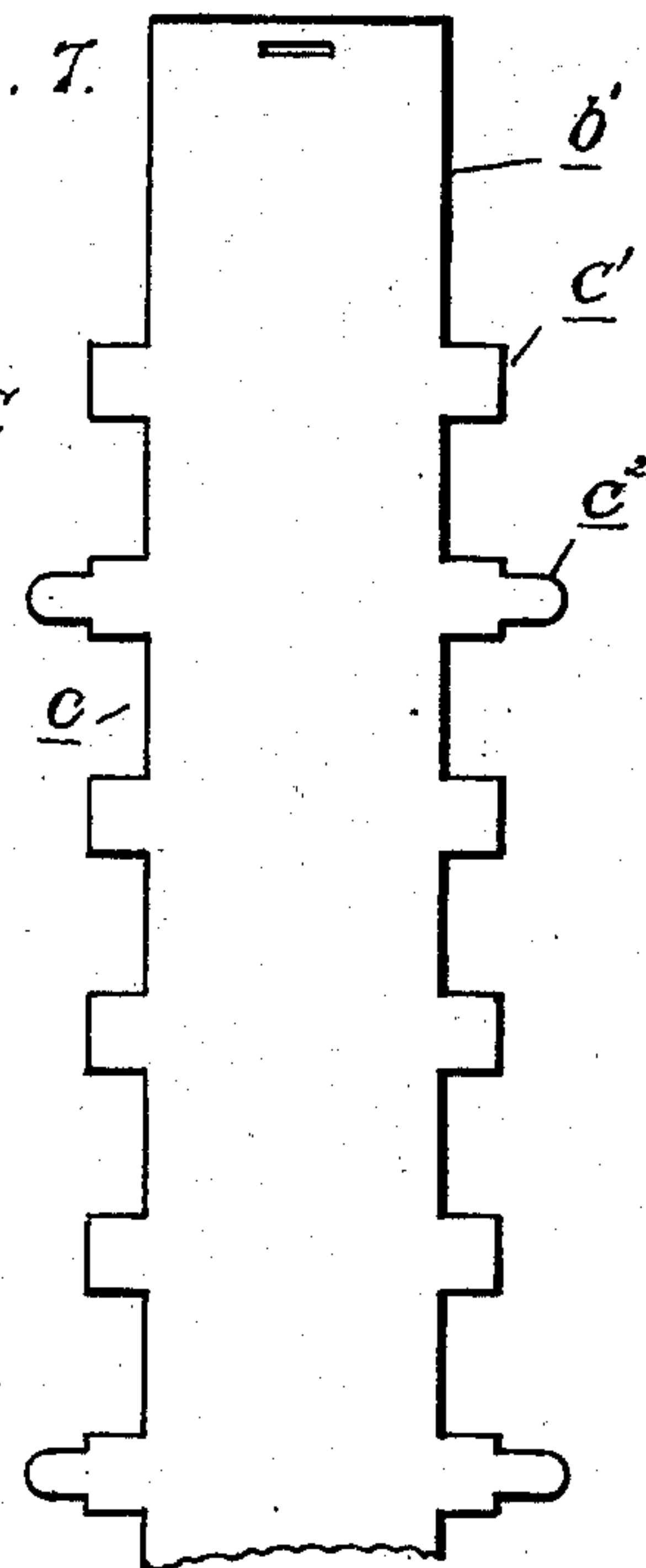


Fig. 7.



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UNITED STATES PATENT OFFICE.

FRANK HARRISON HARRIS, OF TOLEDO, OHIO.

TOY CAR.

SPECIFICATION forming part of Letters Patent No. 654,628, dated July 31, 1900.

Application filed July 17, 1899. Serial No. 724,166. (No model.)

To all whom it may concern:

Be it known that I, FRANK HARRISON HARRIS, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Toy Cars, of which the following is a specification, reference being had therein to the accompanying drawings.

It is the object of my invention to obtain a construction of toy car formed of sheet metal which may be easily manufactured and which when complete is almost the exact semblance of a vestibuled car.

The invention consists in the construction hereinafter shown and described.

In the drawings, Figure 1 is a side elevation of my toy car. Fig. 2 is a cross-section thereof. Fig. 3 is a horizontal section through the vestibule and end of the car. Fig. 4 is a perspective view of the end portions of the two sections comprising my car detached. Fig. 5 is a plan of the blank forming one section of my car. Figs. 6 and 7 are plans of the blank of the complementary section, and Fig. 8 is a perspective view of a modification.

The car comprises the sections A and B, which are formed from blanks of sheet metal. The section A forms the roof and sides of the car, and the section B the floor, platforms, and vestibules. More in detail, the section A consists of a portion *a*, which is bent to form the roof of the car and is preferably provided with the usual upper deck *b*, having a series of apertures *c* for the transoms.

Upon opposite sides of the section A are formed the downwardly-bent sides *d*. These are provided with apertures *e*, corresponding to the windows of the car and having a bead *f*, formed therearound in semblance of window-frames. At the lower edges of these sides are formed the tongues *g*, by means of which the section is secured to the floor-section of the car.

The section B comprises the floor portion *h*, and the platform portion *i* at each end thereof, preferably of lesser width than the floor and having the steps *j* struck down from the opposite sides thereof. The vestibule is formed by a portion *k* at the end of the platform struck up at right angles thereto to form the end of the vestibule, and at each side of this portion *k* are portions *l* turned at right angles

and formed in semblance of the doors of the vestibule. To form the appearance of the usual yielding vestibule plates or hoods, the portion *k* is preferably bent upon the lines *m* and *n* to produce an offset in the shape of said vestibule-plates. The arched top of this offset portion is formed of a portion *o*, bent at right angles from the top of the portion *k*. From the sides of the floor extend the portions *p*, which are bent downward to form the sides of the truck-frame. The sides of the floor are also provided with apertured ears *q*, with which the tongues *g* are adapted to engage, and the arch *o* is provided with a tongue *r*, adapted to engage with an aperture *s*, formed at the end of the deck-roof.

In assembling the parts the tongues *g* are engaged with the apertured ears *q* and the tongue *o* with the apertures *s* and are bent to hold the parts in engagement. The sides *d* will then overlap the doors *l*, and the roof *a* will cover the vestibule, so that the toy has almost the exact appearance of a vestibule-car.

Instead of forming the section A from a single blank I may construct it as shown in Figs. 6, 7, and 8, in which the roof *a'* extends uninterruptedly across between the sides *d*, and the upper deck is formed of a separate section C. This section is formed as shown in Fig. 7, and consists of the deck-roof *b'* and the projections *c'*, bent downward to form the sides of the deck, with the windows *c* between. One or more of these projections *c'* is provided with an extension *c''*, forming a tongue adapted to engage with a corresponding aperture *a''* in the roof *a'*. This construction is more easily formed than the one shown in the other figures, and I preferably employ it in place thereof.

What I claim as my invention is—

1. A toy car comprising two sections one consisting of a roof portion and downwardly-projecting sides, and the other a floor portion, an upwardly-projecting end portion and door portions, bent at right angles to said end; and securing means for said sections comprising a hooked tongue on the one engaging with a slit in the other.

2. A toy car comprising two sheet-metal sections one forming the sides and roof and the other the floor and vestibules and securing means for said sections consisting of a

series of downwardly-projecting tongues on said sides, a corresponding series of slitted ears projecting laterally from the floor with which said tongues are engaged and a tongue
5 at the top of the vestibules engaging a slit in the end of the roof.

3. A toy car comprising two sheet-metal sections one forming the roof and sides, and the other the floor and vestibule, the latter
10 comprising an end portion struck up from an extension of the floor, and door portions formed from lateral extensions of said portion bent at right angles thereto the joint between said sections when secured together
15 being along the sides and top of said doors.

4. A toy car comprising two sheet-metal

sections one forming the sides and roof and the other the floor and vestibule, the latter comprising an end portion struck up from an extension of the floor and door portions, formed
20 from lateral extensions of said end portion bent at right angles thereto, a bead formed at the edge of said side and roof overlapping said door portion and a complementary bead
25 formed at the corner between said end portion and door.

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

FRANK HARRISON HARRIS.

Witnesses:

HARRY M. KELSEY,
D. SEGUR.