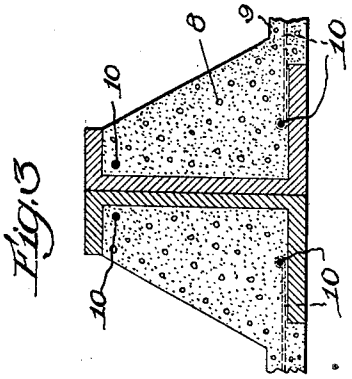
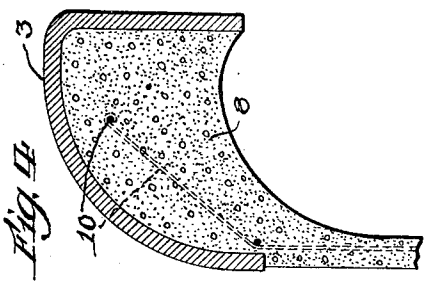
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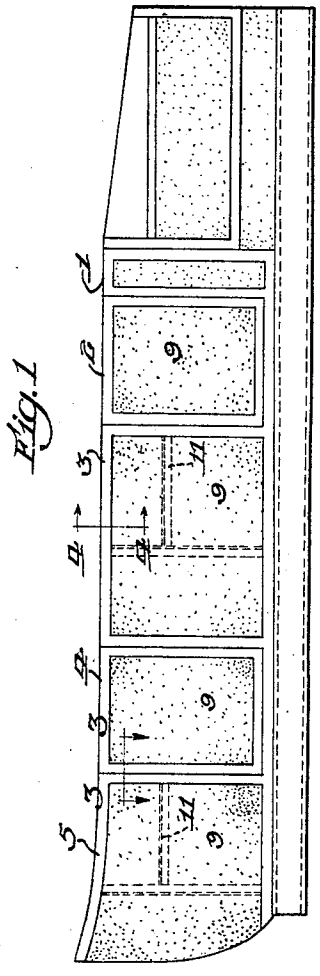
J. B. STRAUSS

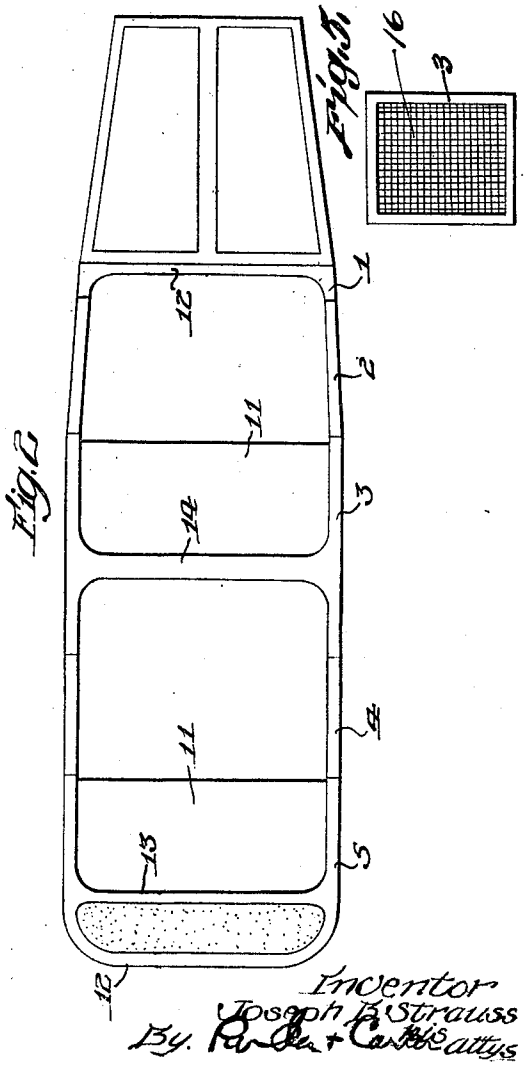
AUTOMOBILE BODY

Filed Sept. 2, 1921









Inventor
Joseph B. Strauss
By. Pa Da + Cable attys

Patented Feb. 23, 1926. 1,574,180

UNITED STATES PATENT OFFICE.

JOSEPH B. STRAUSS, OF CHICAGO, ILLINOIS.

AUTOMOBILE BODY.

Application filed September 2, 1921. Serial No. 497,878.

To all whom it may concern:

Be it known that I, JOSEPH B. STRAUSS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Automobile Bodies, of which the following is a specification.

This invention relates to a new and improved automobile body and has for its object to provide a new and improved body of this description formed of reinforced concrete.

Referring now to the accompanying drawings—

Fig. 1 is a side elevation of one form of body embodying the invention;

Fig. 2 is a plan view of the body shown in Fig. 1;

Fig. 3 is a sectional view taken on line 3—3 of Fig. 1;

Fig. 4 is a sectional view taken on line 4—4 of Fig. 1;

Fig. 5 is a view of one of the frames showing the wire netting.

Like numerals refer to like parts throughout the several figures.

In forming the body I provide a series of metal frames 1, 2, 3, 4 and 5. In these frames I provide concrete sections, the frames and concrete sections forming the body. The frames 2 and 4 for example may form the doors and be hinged to the adjacent frames. The frames are provided with bent edges. As shown in Fig. 3 the bounding portion of these frames are in the shape of angles, and the reinforced concrete is formed inside of these frames. The concrete is preferably arranged with thickened edges 8 and a thin connecting wall 9. It will thus be seen that by means of this construction the metal frames have concrete sections extending across the open spaces of said frames so as to fill such spaces, the concrete being thicker at the edges than at the remaining portions thereof. The concrete is provided with any suitable reinforcing metal 10. The upper edge of the metal frames forming the upper line of the body are preferably curved as shown in Fig. 4. Suitable seats 11 are provided and I also prefer to provide in addition to the end pieces the cross pieces 13 and 14 which act as bracings as well as forming the back of the seats. These frames, except those forming the doors, may be united so as to form top and bottom frames for the body. The bottom of the body may be made of any suitable material and may also be made of concrete by a construction similar to that of the sides of the body.

The various metal frames are provided with wire netting 16 (see Fig. 5) which are attached to the frames and which are embedded in the concrete.

I claim:

1. An automobile body comprising a series of metal frames, concrete sections extending across the open spaces of said frames so as to fill the spaces therein, the concrete being thicker at the edges of the sections than at the remaining portions, the metal frames of the concrete sections forming the floor and walls of the body, and doors at intervals in said body, said doors comprising metal frames fitting into the metal frames of the body and movably connected thereto, said frames fitted with wire netting imbedded in concrete, the concrete thickened at the edges where it joins the metal frame.

2. An automobile body comprising a series of metal frames, concrete sections extending across the open spaces of said frames so as to fill said spaces, the concrete being thicker at the edges of the sections than at the remaining portions, the metal frames of the concrete sections forming the floor and walls of the body, and doors at intervals in said body, said doors comprising metal frames fitting into the metal frames of the body and movably connected thereto, said frames fitted with wire netting imbedded in concrete, said frames being of channel section to hold the concrete.

3. An automobile body comprising a bottom horizontal frame of metal with connecting transverse members and wire netting, side and end frames connected therewith with connecting vertical members and wire netting, concrete embedding the wire netting, the netting reinforcing the concrete, the concrete forming the floor, walls and ends of the body, and metal parts extending across the body and bracing the walls together said frames forming the outer boundaries of the concrete sections and wire netting sections.

4. An automobile body comprising horizontal metal frames at a distance from each other, said frames, comprising longitudinal

and transverse members, vertical members connecting the horizontal members at intervals, wire netting connected to said metal frames and members, concrete applied to said netting embedding it, the netting reinforcing the concrete, the concrete forming the walls and floor of the body, said metal parts provided with reinforcing netting embedded in concrete said frames forming the outer boundaries of the concrete sections and wire netting sections.

Signed at Chicago county of Cook and State of Illinois, this 16th day of August, 1921.

JOSEPH B. STRAUSS.