

No. 886,877.

PATENTED MAY 5, 1908.

M. SERRIER.
CEMENT CHAIR MOLD.
APPLICATION FILED AUG. 19, 1907.

2 SHEETS—SHEET 1.

Fig. 2.

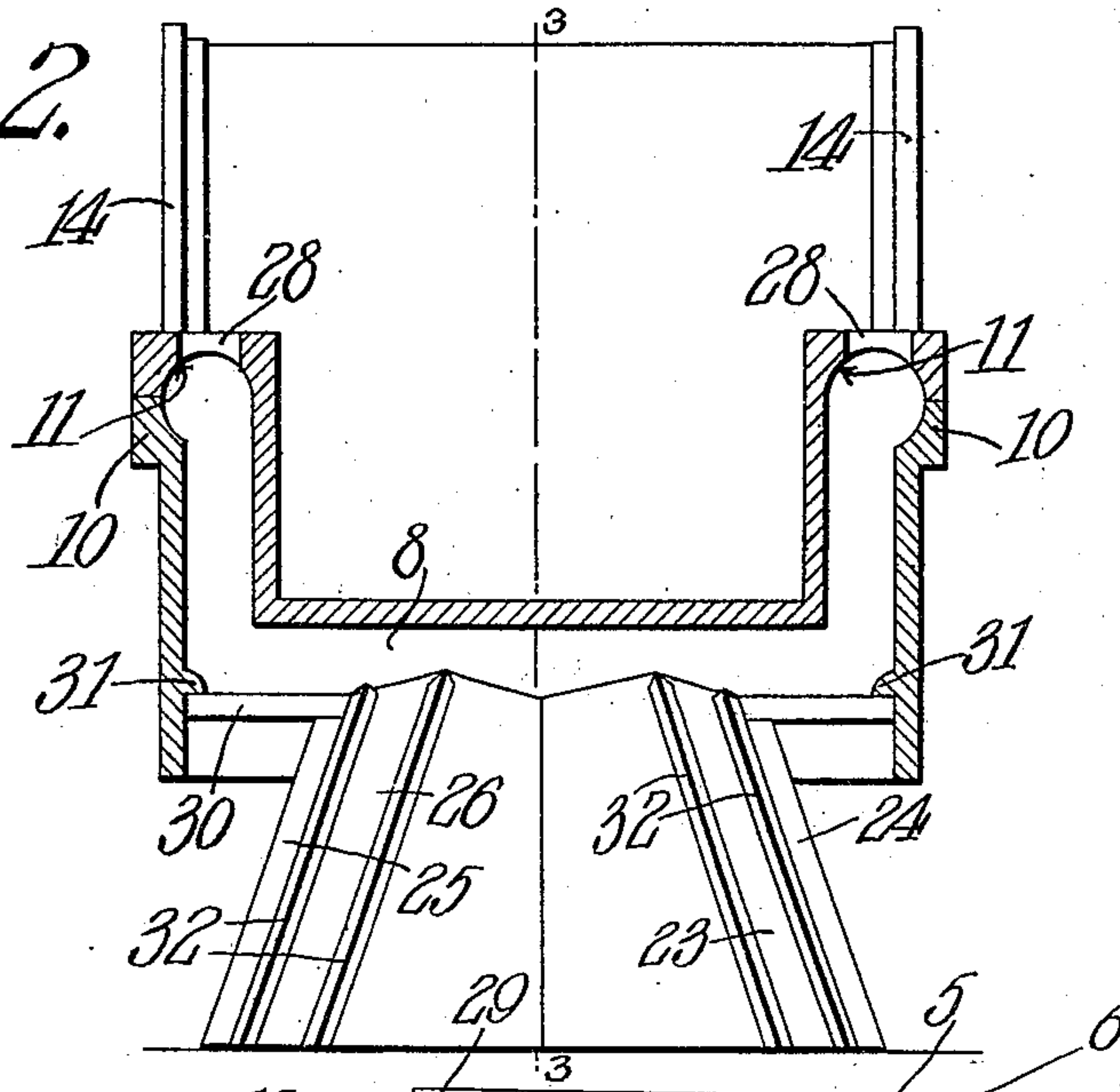
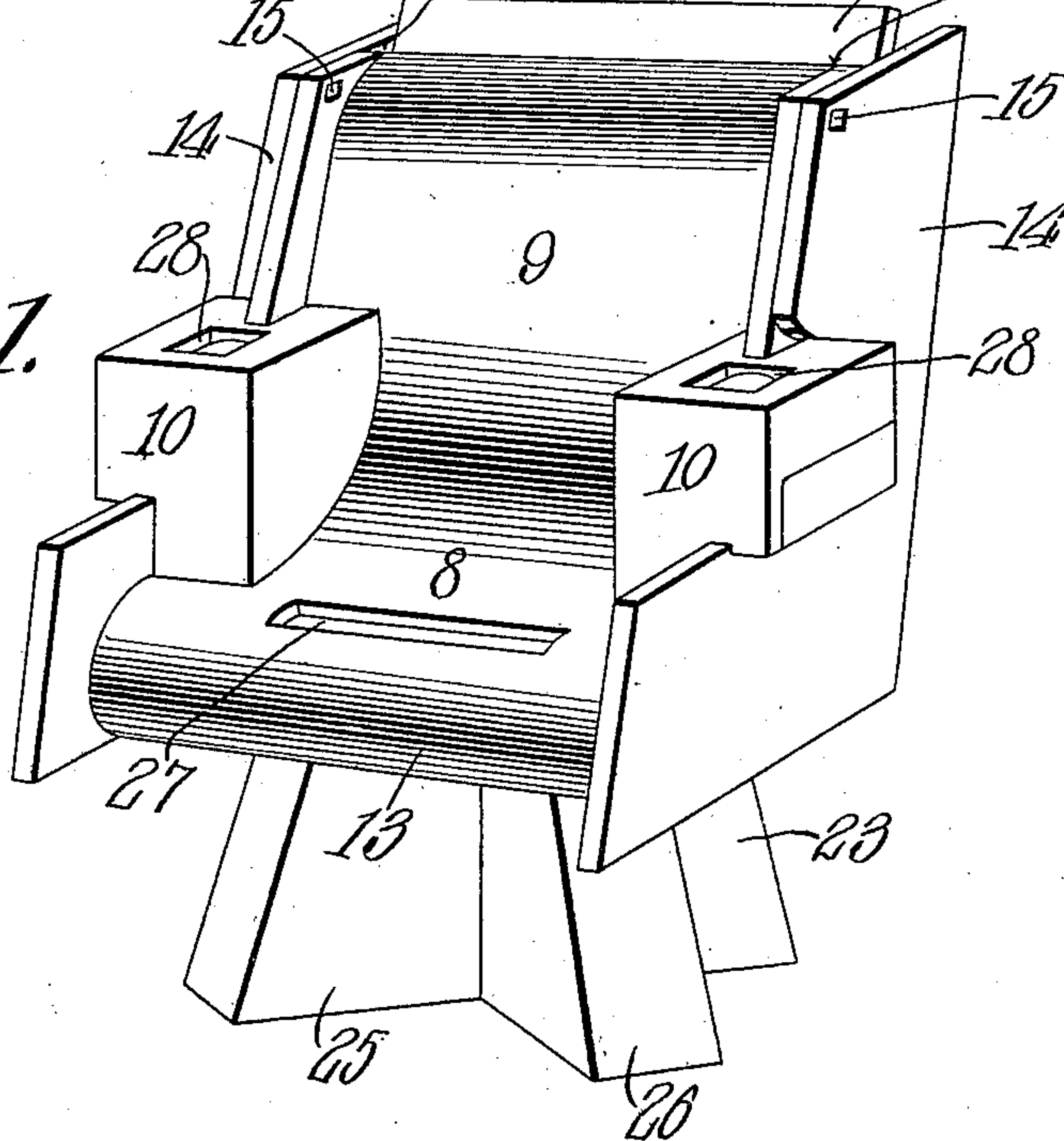


Fig. 1.



Witnesses
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L. V. McKee

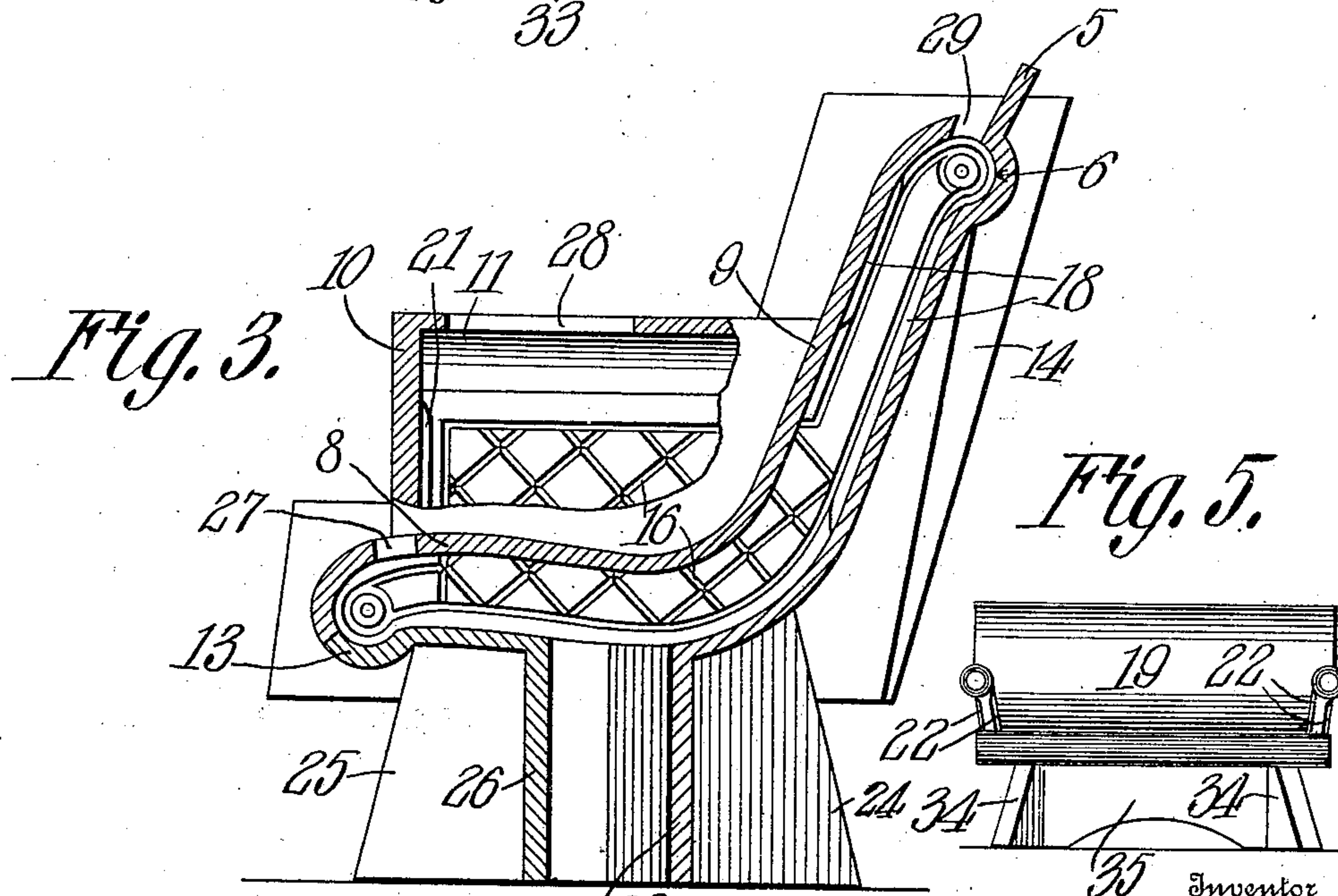
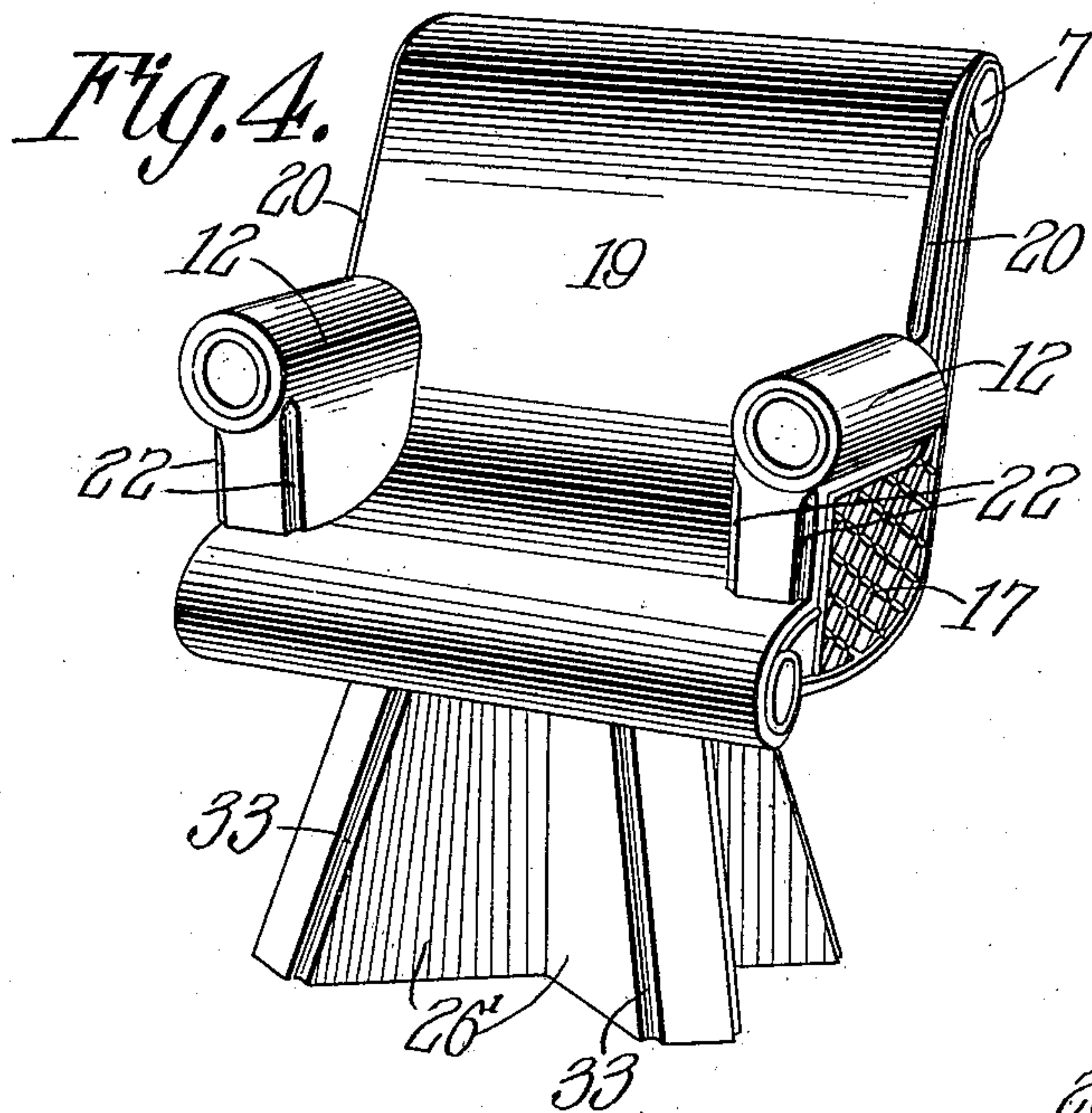
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2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

MATHIAS SERRIER, OF EDWARDSVILLE, ILLINOIS.

CEMENT-CHAIR MOLD.

No. 886,877.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed August 19, 1907. Serial No. 389,229.

To all whom it may concern:

Be it known that I, MATHIAS SERRIER, a citizen of the United States, residing at Ed-
wardsville, in the county of Madison and
5 State of Illinois, have invented a new and
useful Cement-Chair Mold, of which the fol-
lowing is a specification.

This invention relates to molds for making
lawn chairs, settees, benches and the like
10 from cement, concrete and similar plastic
material.

The object of the invention is to provide a
mold the several sections of which may be
quickly detached so as to expose the molded
15 product without danger of chipping, crack-
ing or otherwise injuring the same.

A further object of the invention is to pro-
vide a mold the several sections of which are
provided with filling orifices to permit the
20 introduction of the cement, concrete or other
plastic material within the molding com-
partment.

A further object is to provide some of the
mold sections with angular extensions for
25 forming the chair or settee with an artificial
stone base or support.

A still further object of the invention is
generally to improve this class of devices so
as to increase their utility, durability and
30 efficiency.

Further objects and advantages will ap-
pear in the following description, it being un-
derstood that various changes in form, pro-
portions and minor details of construction
35 may be resorted to within the scope of the
appended claims.

In the accompanying drawings forming a
part of this specification: Figure 1 is a per-
spective view of a mold constructed in ac-
40 cordance with my invention. Fig. 2 is a
transverse sectional view. Fig. 3 is a ver-
tical sectional view taken on the line 3—3 of
Fig. 2. Fig. 4 is a perspective view of an
artificial stone chair made by the mold shown
45 in Fig. 1. Fig. 5 is a front elevation of an
artificial stone settee or bench.

Similar numerals of reference indicate cor-
responding parts in all of the figures of the
drawings.

50 The improved mold forming the subject
matter of the present invention is principally
designed for making artificial stone chairs
similar in construction to the chair indicated
in Fig. 4 of the drawing.

55 The mold consists of a back section 5 hav-
ing a transverse semi-circular recess 6 formed

in the upper end thereof for forming the
chair with the curved head portion 7, the
front portion of the back section being in-
clined in a downwardly and forwardly direc- 60
tion to give the proper inclination or contour
to the back of the chair.

Detachably secured to the back section 5
is a seat section 8, the latter being provided
with an extension 9 curved to conform to the 65
shape of the back section 5 and spaced from
the latter to form an intermediate molding
compartment for the reception of cement,
concrete or other plastic material constitut-
ing the body of the chair. 70

The seat section 8 is formed with oppo-
sately disposed arm sections 10 the interior
walls of which are curved or rounded at 11
thereby to form the curved portions 12 of
the arms of the chair shown in Fig. 4. The 75
lower end of the seat portion 8 is curved
downwardly and rearwardly and bears
against the curved end 13 of the base section
of the mold.

Combined with the back and seat sections 80
are the side sections 14 which bear against
said back and seat sections and are detach-
ably secured thereto by bolts or similar fas-
tening devices 15.

The side sections 14 are provided with in- 85
tersecting grooves or channels 16 thereby to
form the chair with an ornamental face 17.
Secured to the inner faces of the side sections
14 are substantially parallel triangular strips
18 for forming the back section 19 of the 90
chair with inclined or beveled edges 20, there
being similar strips 21 formed on the arm
sections 10 for producing the angular faces
22 shown in Fig. 4 of the drawings.

The back section 5 is provided with a base 95
portion consisting of angularly disposed
strips 23 and 24, there being similar strips 25
and 26 arranged at the front of the chair and
co-acting with the strips 23 and 24 for pro-
ducing the supporting base or standard 26'. 100

The seat section 8 and arm sections 10 are
formed with filling orifices 27 and 28 through
which cement, concrete or other plastic ma-
terial is introduced into the molding com-
partment, the upper end of the seat section 105
being spaced laterally from the back section
to form a similar filling orifice 29.

The upper ends of the strips forming the
base section of the mold are provided with
laterally extending wings 30 which engage 110
suitable flanges 31 formed on the side sec-
tions 14 and which serve to assist in sup-

porting the side sections and also form a closure for the molding compartment at the base of the seat.

In using the mold the several parts are assembled with the seat section disposed in spaced relation to the back section and with the side sections engaging the back and seat sections and clamped in position in engagement therewith by the bolts or fastening devices 15 after which the strips 25 and 26 of the base section are assembled in the manner shown in Fig. 1 of the drawings. It will here be observed that the base section is provided with inclined tri-angular strips 32 similar in construction to the tri-angular strips 18 for forming the base of the chair with an ornamental inclined edge 33.

After the several sections of the mold have been thus assembled the cement, concrete or other material is shoveled or otherwise introduced through the orifices 27, 28 and 29 into the molding compartment and allowed to harden. When the cement has thoroughly set the fastening devices 15 are removed and the side sections 14 detached thus permitting the seat section 8 and the strips 25 and 26 of the base section to be readily detached, so as to expose the molded product.

By increasing the width of the seat and back sections and changing the configuration of the base section of the mold, the latter may be employed for making a lawn bench or settee similar to the settee shown in Fig. 5 of the drawings in which the supporting legs 34 are connected by an integral arch 35.

The several sections of the mold may be formed of wood, metal or other suitable material but it is preferred to form said mold sections of wood and line the same with zinc, tin, galvanized iron or other material so as to prevent the concrete or cement from adhering to the mold and also to give the molded product a smooth finished appearance.

It will of course be understood that after the chair is formed the head and arm portions 7 and 12 and also the forward end of the seat portion may be rounded off with a trowel or other suitable tool so as to prevent any irregularities on the surface of the cement at the several filling orifices.

It will also be understood that if desired the several filling orifices may be closed and the chair inverted and the cement introduced through the base section of the mold, the result accomplished being the same in both instances.

I claim:—

1. A mold for making artificial stone chairs including back, seat and side sections assembled to form a molding compartment, said side sections being provided with arm portions for supporting the seat sections and having filling orifices formed therein and communicating with the molding compartment, there being a similar filling orifice formed in the seat section and also communicating with the molding compartment, a base section depending from the seat section and provided with a molding compartment communicating with the first mentioned compartment, and wings extending laterally from the base section in spaced relation to the seat section and forming a support for the side sections.

2. A mold for making artificial stone chairs including back, seat and side sections spaced apart to form an intermediate molding compartment, arm portions formed on the seat section and bearing against and supported by the side sections, flanges formed on the inner walls of the side sections, a sectional base provided with an intermediate molding compartment communicating with the first mentioned molding compartment, and wings extending laterally from the base and bearing against the flanges of the side sections for supporting the latter.

3. A mold for making artificial stone chairs including back, seat and side sections spaced apart to form an intermediate molding compartment, side sections engaging the back and seat sections and having their interior walls provided with inwardly extending flanges, arm portions formed integral with the seat sections and bearing against and supported by the side sections, a base section disposed beneath the seat section and provided with a molding compartment communicating with the first mentioned molding compartment, there being filling orifices formed in the arm portions and seat section and communicating with both molding compartments, and wings extending laterally from the base section and adapted to engage the flanges for supporting the side sections.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

MATHIAS SERRIER.

Witnesses:

JOHN E. HILLSKOTTER,
PERCY P. LUSK.