

No. 778,711.

PATENTED DEC. 27, 1904.

D. M. & R. W. RUNDLE.

EGG CASE.

APPLICATION FILED JUNE 4, 1904.

2 SHEETS—SHEET 1.

Fig. 3.

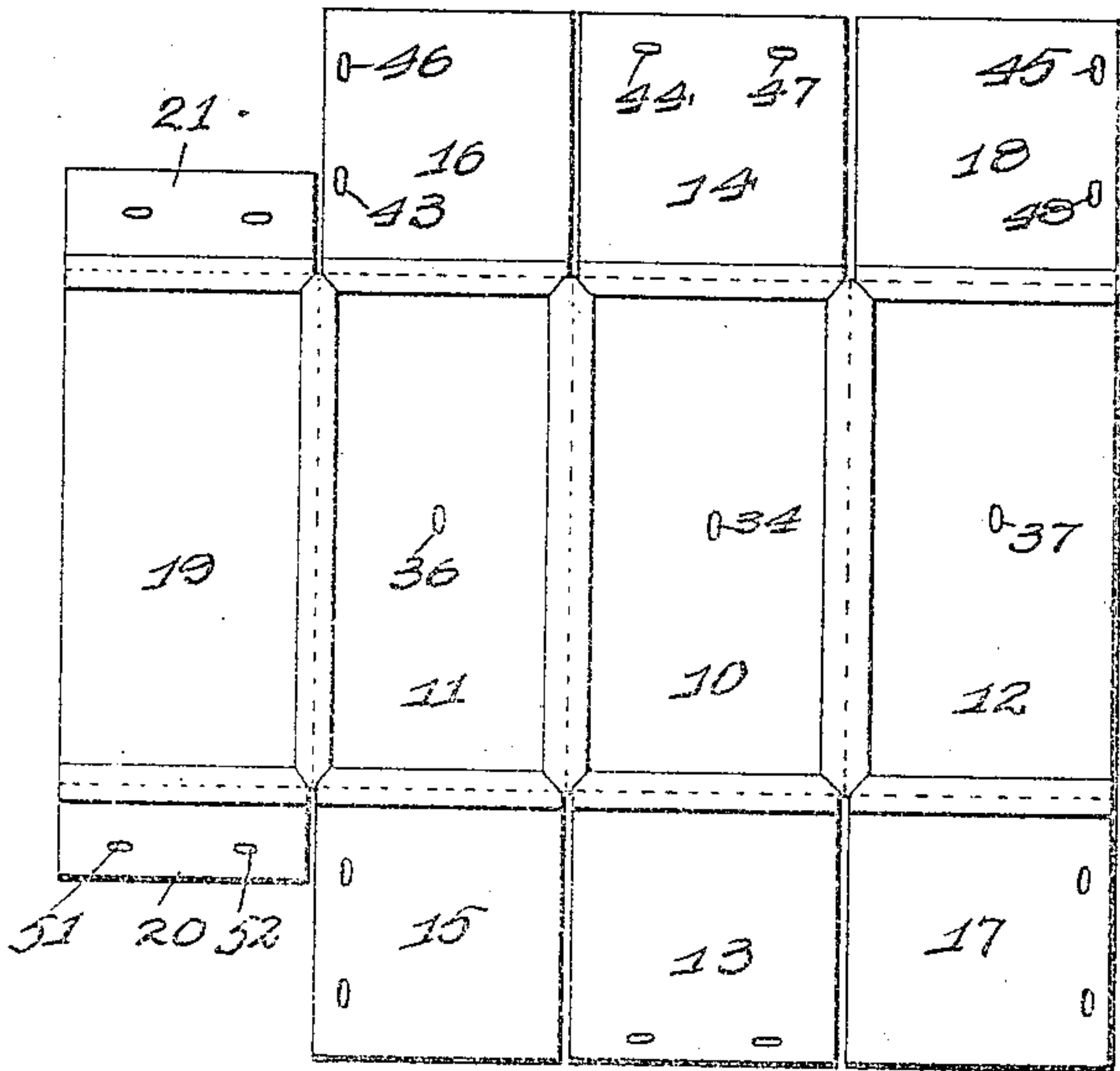
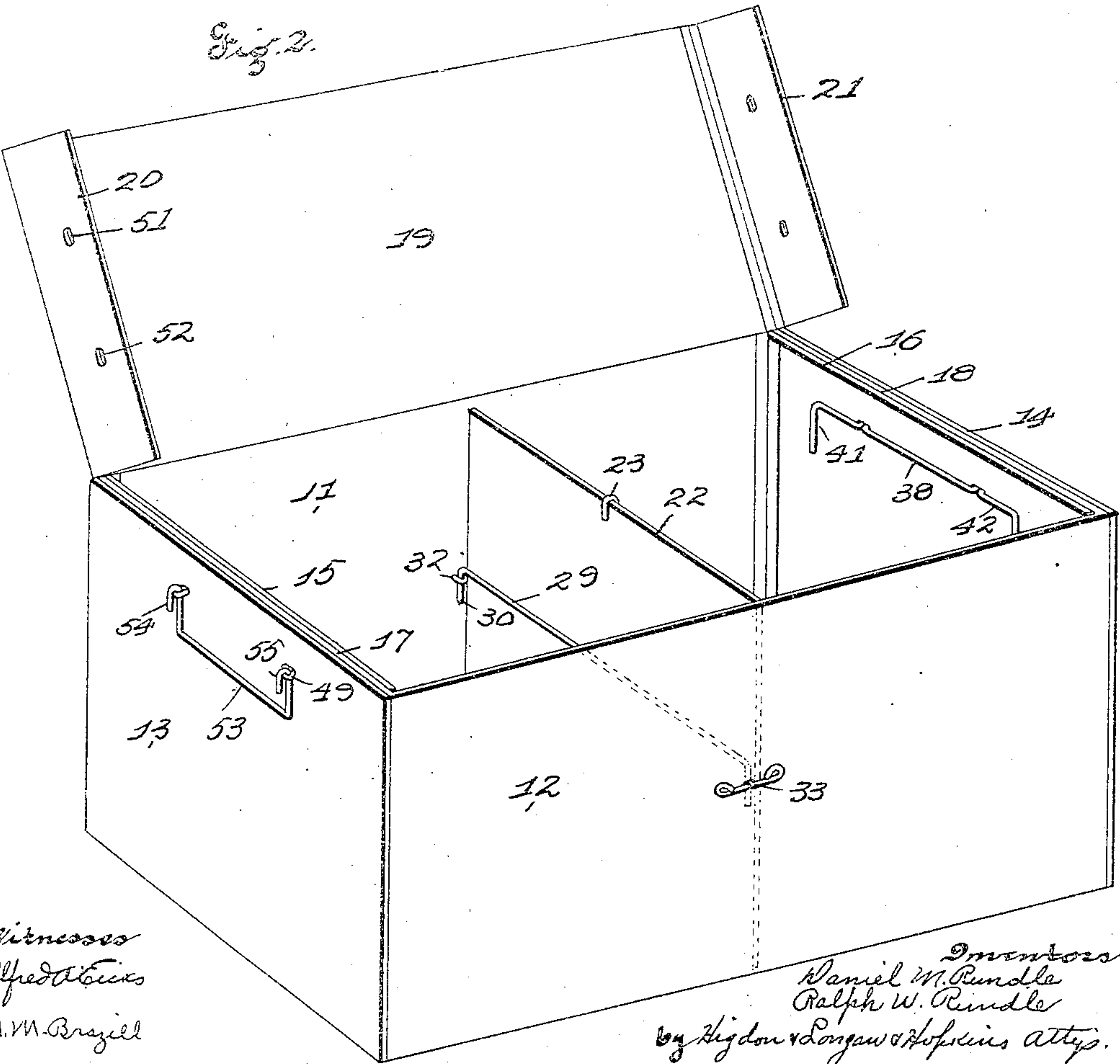


Fig. 2.



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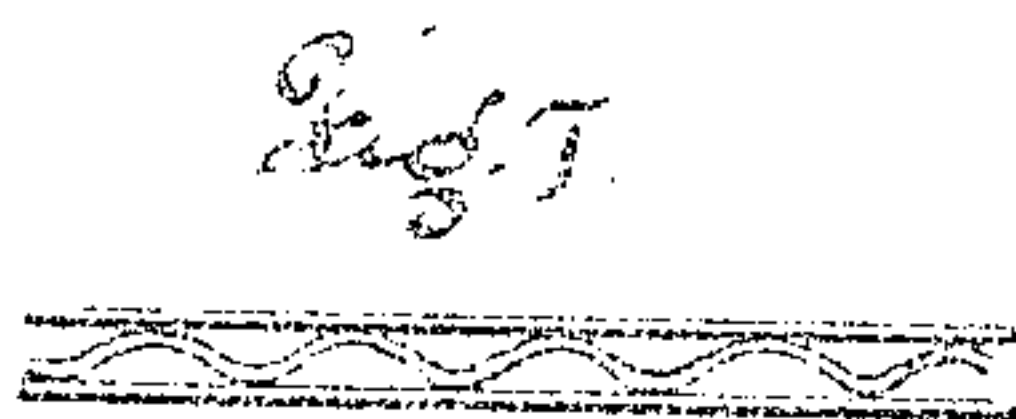
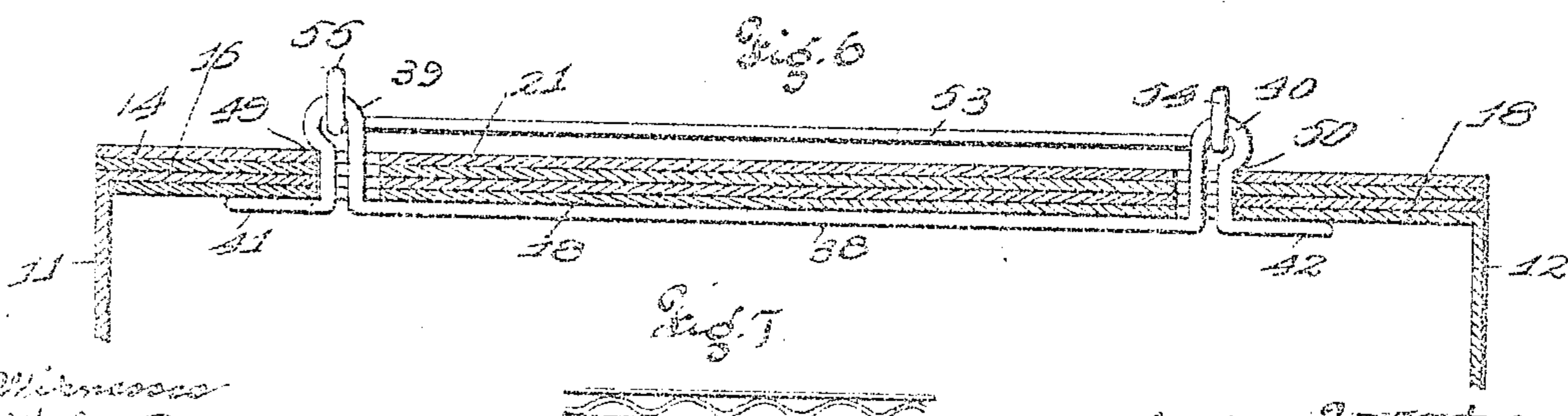
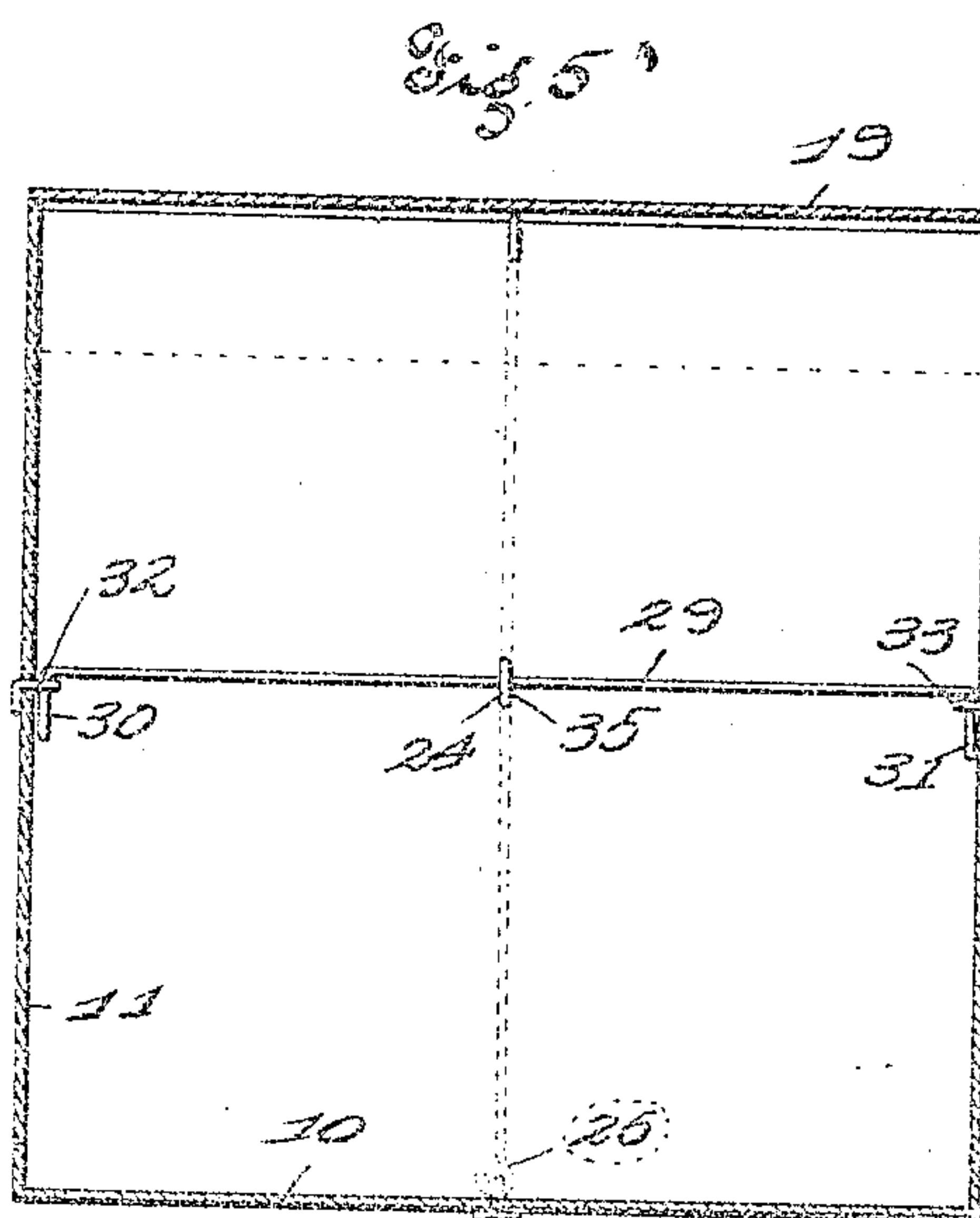
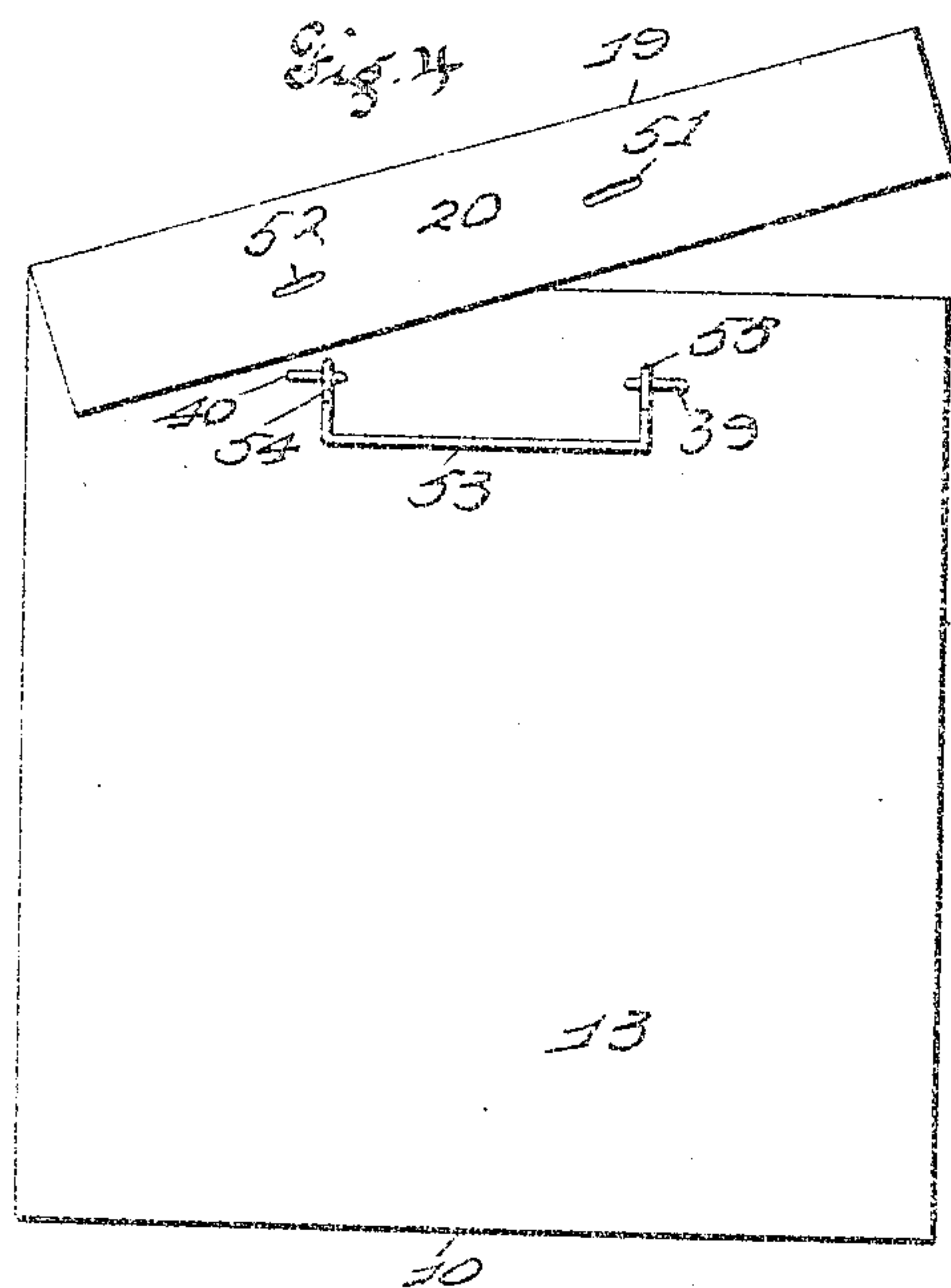
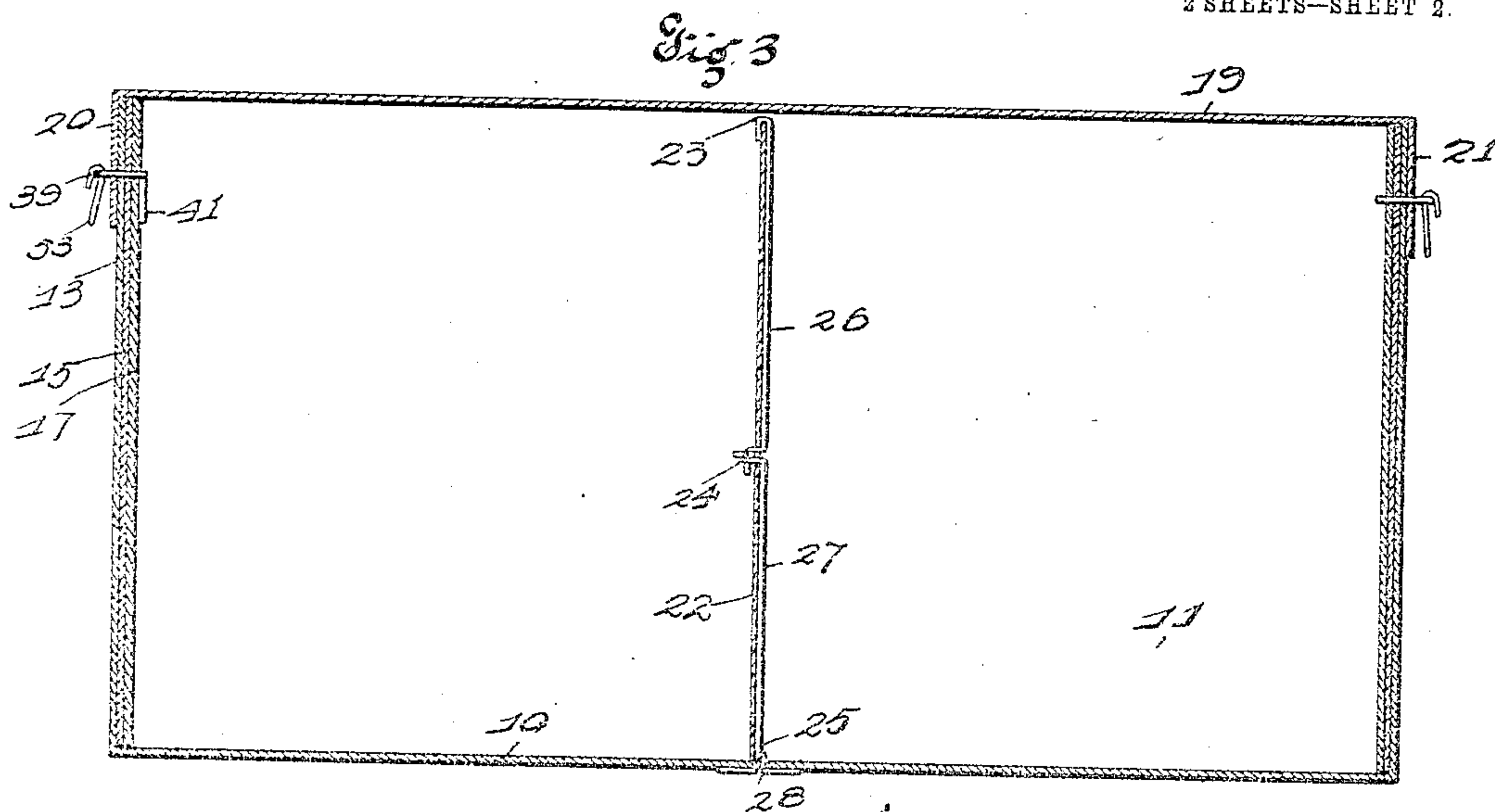
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

DANIEL M. RUNDLE AND RALPH W. RUNDLE, OF HARRISBURG, ILLINOIS.

EGG-CASE.

SPECIFICATION forming part of Letters Patent No. 778,711, dated December 27, 1904.

Application filed June 4, 1904. Serial No. 211,100.

To all whom it may concern:

Be it known that we, DANIEL M. RUNDLE and RALPH W. RUNDLE, citizens of the United States, residing at Harrisburg, Saline county, State of Illinois, have invented certain new and useful Improvements in Egg-Cases, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention relates to improvements in knockdown shipping-cases, and is designed especially for egg-cases; and it consists of the novel features herein shown, described, and claimed.

In the drawings, Figure 1 is a plan of an egg-case blank ready to be built up. Fig. 2 is a perspective of the egg-case built up with the cover raised. Fig. 3 is a vertical longitudinal section of the egg-case with the cover closed. Fig. 4 is an end elevation of the egg-case with the cover open. Fig. 5 is a vertical cross-section of the egg-case. Fig. 6 is a horizontal section through one end of the egg-case upon an enlarged scale and showing the detail of the fastening device. Fig. 7 is an edge view, upon an enlarged scale, of a piece of the material from which the egg-case may be constructed.

Referring to the drawings in detail, the egg-case blank comprises the rectangular bottom portion 10, the side portions 11 and 12, hinged to or formed integral with the bottom portion, the end portions 13 and 14, hinged to or formed integral with the bottom portion, the end portions 15 and 16, hinged to or formed integral with the side portion 11, the end portions 17 and 18, hinged to or formed integral with the side portion 12, the cover portion 19, hinged to or formed integral with the side portion 11, and the end portions 20 and 21, hinged to or formed integral with the ends of the cover portion 19. The blank may be formed from a sheet of tough paper or cardboard or strawboard, or it may be formed of cellular material, as shown in Fig. 7, or any similar or suitable material.

In setting up the egg-case the end portions 15 and 17 overlap, and the end portions 16 and 18 overlap, then the end portions 13 and 14

are bent upwardly outside of these end portions 15 and 17 and 16 and 18, thus making three thicknesses of the material at each end of the case. The central partition 22 is substantially the same size as the end portions and is inserted between the sides 11 and 12. The partition-fastener is formed of wire and comprises the upper hook 23, the central loop 24, the lower hook 25, the intermediate portion 26, connecting the hook 23 to the loop 24, the intermediate portion 27, connecting the loop 24 to the hook 25, the eye 28, engaging the hook 25, the bar 29, extending through the loop 24, the hooks 30 and 31 upon the ends of the bar 29, and the eyes 32 and 33, engaging the hooks 30 and 31. The eye 28 is inserted upwardly through the opening 34 at the center of the bottom portion 10. The partition 22 is placed in position. The hook 23 is pressed downwardly upon the upper edge of the partition. The loop 24 is pressed through the opening 35 at the center of the partition. The hook 25 is inserted through the eye 28. The bar 29 is inserted through the loop 24. The eyes 32 and 33 are inserted inwardly through the openings 36 and 37 in the side portions 11 and 12, and the hooks 30 and 31 are inserted downwardly through the eyes 32 and 33. The intermediate portions 26 and 27 serve as vertical braces for the partition, and the bar 29 serves as a horizontal brace for the partition. The ends of the wires forming the eyes 28, 32, and 33 are bent at right angles to the eyes to form stops and prevent the eyes from being drawn through the material of the egg-case.

The end fasteners are formed of wire, and each fastener comprises the central portion 38, the spring-eyes 39 and 40, extending outwardly from the ends of the central portion, and the stops 41 and 42, extending outwardly from the eyes 39 and 40. The eyes 39 are inserted through the aligned openings 43, 44, and 45, and the eyes 40 are inserted through the aligned openings 46, 47, and 48 in the three end portions at each end of the egg-case, thus leaving the cover 19 open. The outer part of the eyes are enlarged to form the shoulders 49 and 50, and spring-wire is used, so that the eyes will snap through the openings, said shoulders serving to hold the eyes in position.

When it is desired to close the cover, it is pressed downwardly into position and the eyes 39 and 40 are inserted through the openings 51 and 52 in the cover portions 20 and 21.

5 When desired, the bails 53, having the hooks 54 and 55 at their end, may be applied by inserting the hooks 54 and 55 through the eyes 39 and 40. The bails may be used either before the cover is closed or afterward, as de-
10 sired, said bails being readily removable and replaceable.

It is obvious that the details of construction may be varied in many ways without departing from the spirit of our invention. For in-
15 stance, the cover-section might be disconnected from the remaining part of the blank, and the different portions of the blank might be constructed separately and connected together by strips of cloth or hinged together in any
20 suitable way instead of forming the entire blank out of a single sheet of material.

We claim—

1. In a knockdown shipping-case: the bot-
tom portion 10; the side portions 11 and 12
25 hinged to the bottom portion; the end por-
tions 13 and 14 hinged to the bottom portion;
the end portions 15 and 16 hinged to the side
portions 11; the end portions 17 and 18 hinged
to the side portion 12; the cover portion 19
30 hinged to one of the side portions; and the
end portions 20 and 21 hinged to the cover
portion; there being alined openings 43, 44,
45 and 52 in the four end portions; and a sec-
ond series of alined openings 46, 47, 48 and
35 51 in the four end portions, in combination
with fasteners, each fastener comprising the
central portion 38, the spring-eyes 39 and 40
extending outwardly from the ends of the
central portion and adapted to be inserted
40 through the alined openings; and the stops 41
and 42 extending outwardly from the eyes 39
and 40; substantially as specified.

2. In a knockdown shipping-case: a blank
comprising: a bottom portion; side portions
45 extending both ways from the bottom por-
tion; end portions extending both ways from
the bottom portion; end portions extending
both ways from both of the side portions; a
cover portion extending from one of the side
50 portions; end portions extending from both
ends of the cover portion; there being alined
openings through all of said end portions, and

each portion being constructed to bend rela-
tive to the other portion, in combination with
end fasteners formed of wire and each com- 55
prising a straight central portion; spring-eyes
extending outwardly from the ends of the
central portion and adapted to be inserted
through the alined openings; said eyes snap-
ping through said openings; substantially as 60
specified.

3. In a knockdown shipping-case: a blank
comprising: a bottom portion; side portions
extending both ways from the bottom por- 65
tion; end portions extending both ways from
the bottom portion; end portions extending
both ways from both of the side portions; a
cover portion extending from one of the side
portions; end portions extending from both
ends of the cover portion; there being alined 70
openings through all of said end portions, and
each portion being constructed to bend rela-
tive to the other portion, in combination with
end fasteners formed of wire and each com-
prising a straight central portion; spring-eyes 75
extending outwardly from the ends of the
central portion and adapted to be inserted
through the alined openings; said eyes snap-
ping through said openings; and bails having
hooks at their ends to engage in said eyes; 80
substantially as specified.

4. In a knockdown shipping-case: the com-
bination with a suitable folding box of a re-
movable partition and a partition-fastener;
said fastener comprising an upper hook, a cen- 85
tral loop, a lower hook connected together;
an eye inserted through the bottom of the box
to be engaged by the lower hook, the central
loop being inserted through the central part
of the partition, and the upper hook being 90
hooked over the upper edge of the partition;
a bar extending through the central loop af-
ter it is inserted through the partition; hooks
upon the ends of the bar; and eyes inserted
through the sides of the box to be engaged by 95
said hooks; substantially as specified.

In testimony whereof we have signed our
names to this specification in presence of two
subscribing witnesses.

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Witnesses:

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