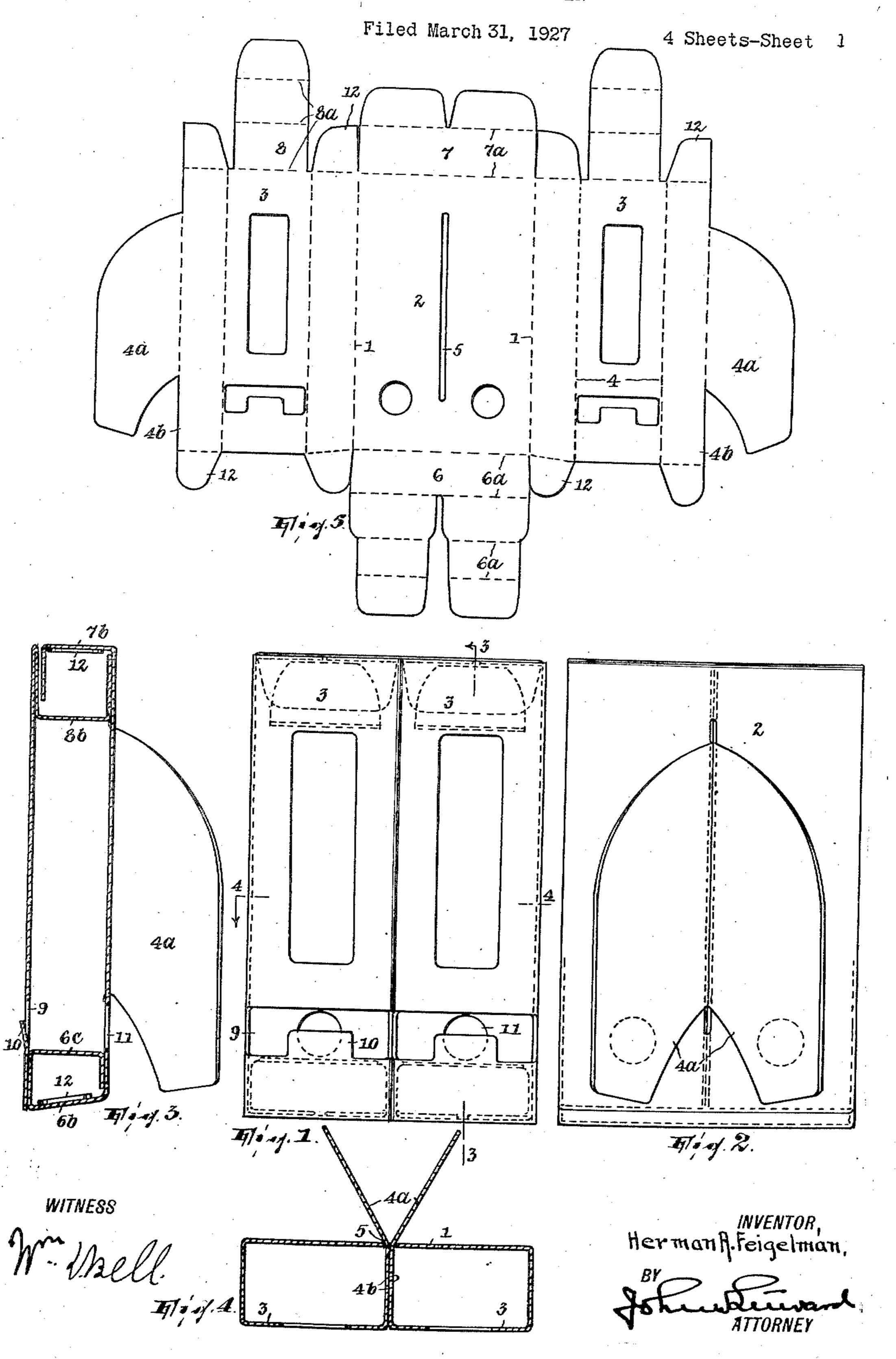
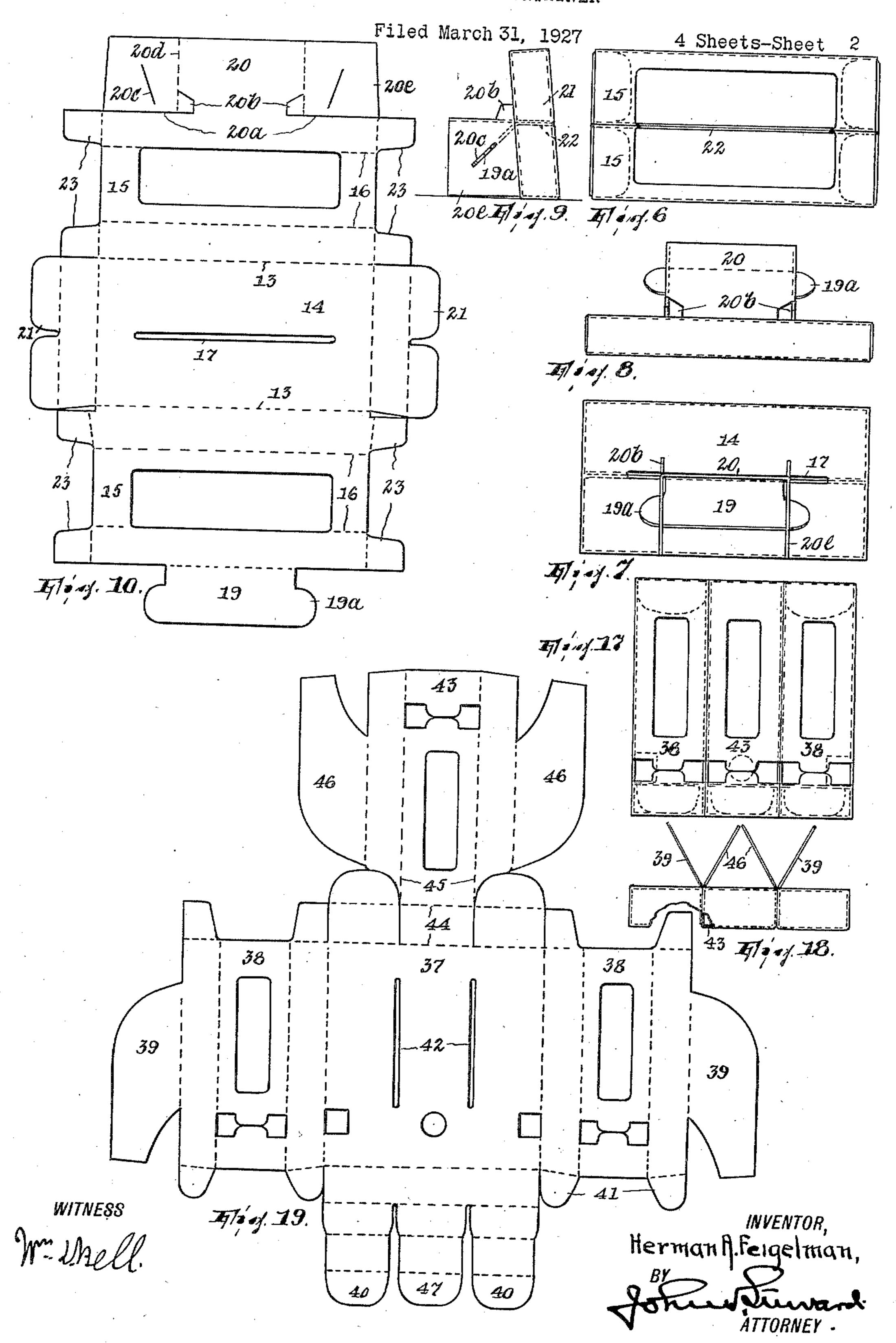
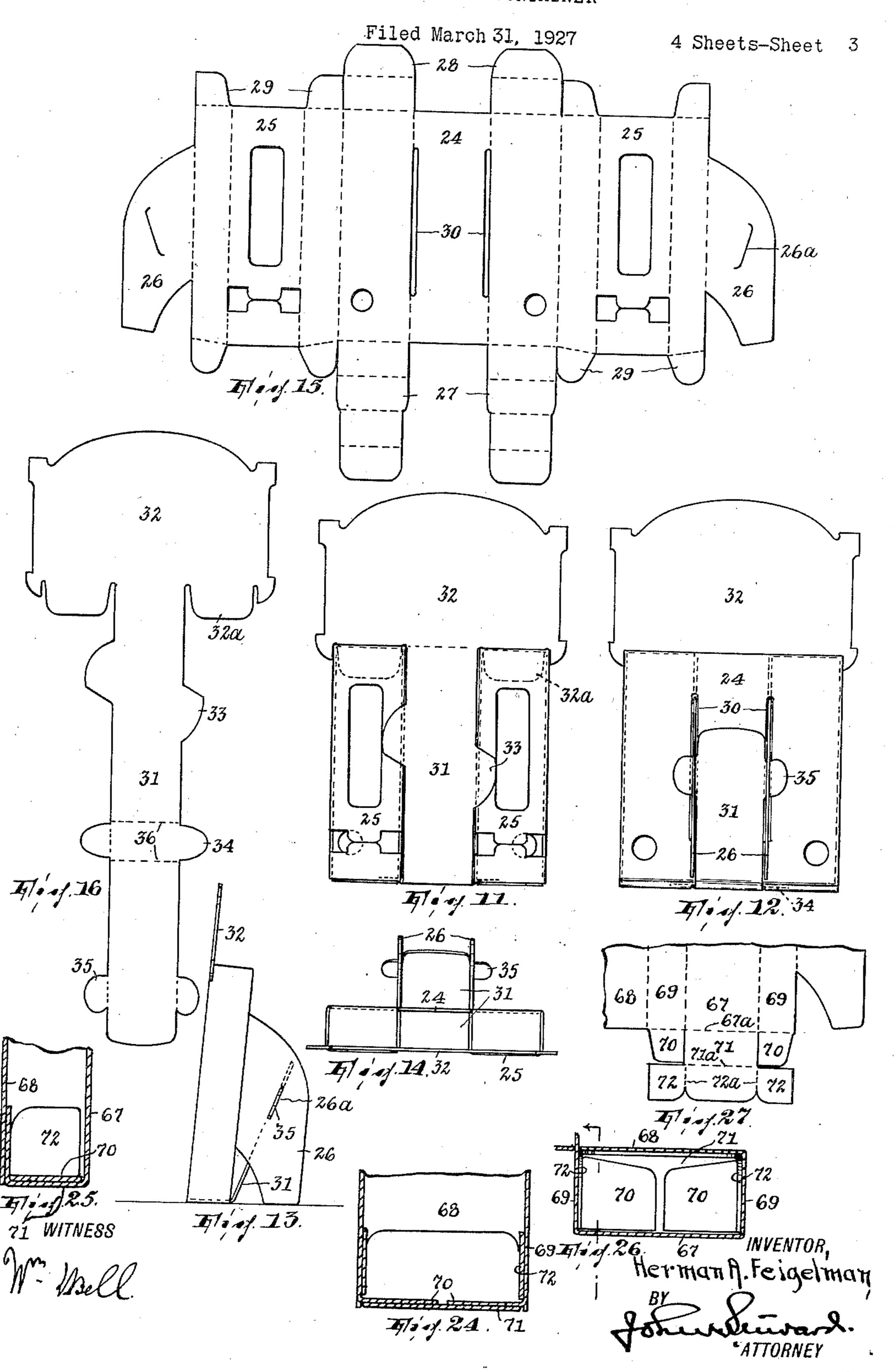
H. A. FEIGELMAN



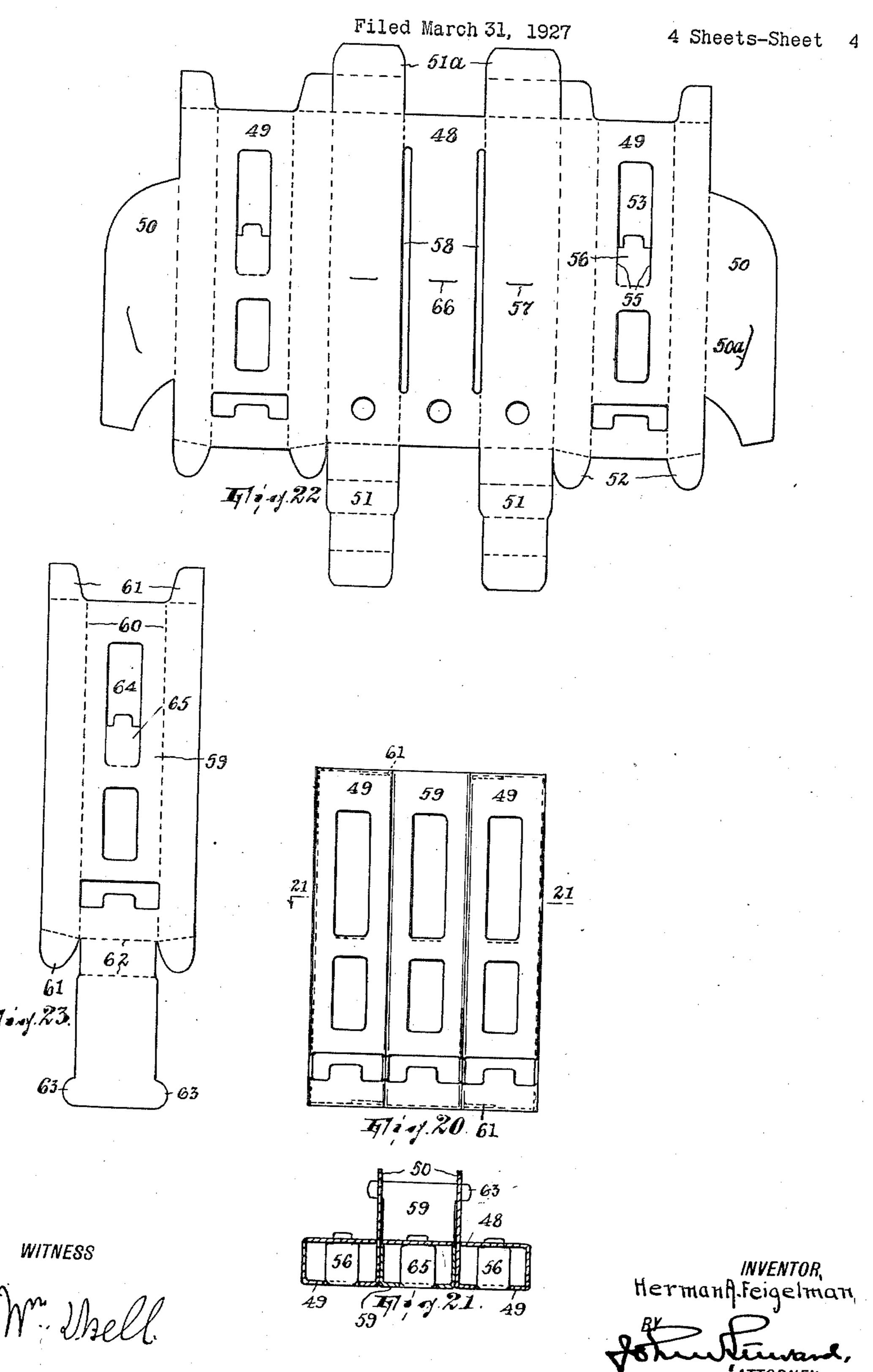
H. A. FEIGELMAN



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UNITED STATES PATENT OFFICE:

HERMAN A. FEIGELMAN, OF PATERSON, NEW JERSEY.

PLURICELLED CONTAINER.

Application filed March 31, 1927. Serial No. 179,914.

This invention relates to containers and rial, as pasteboard. The underlying object of the blank; is to provide a pluri-celled container which > Figs. 20, 21, 22 and 23 illustrate another may be sustained in upstanding position, auxiliary blanks forming it; and easel-fashion, as in the display of its contents Figs. 24, 25, 26 and 27 are respectively two jects will appear hereinafter.

the invention may take in carrying out the and a plan of the blank used therein. named underlying object, and in connection In each form a pluri-celled container is prosuch is required, and the tongues being the cells. shaped to afford as to their protruding por- Figs. 1 to 5: In Fig. 5 the first two lines of

on lines 3-3 and 4-4 of the completed con-

tainer and a plan of the blank;

Figs. 6, 7, 8, 9 and 10 illustrate another form, respectively being a front, rear, top and side elevation of the completed container

and a plan of the blank;

Figs. 11, 12, 13, 14, 15 and 16 illustrate another form, respectively being a front, rear, side and top elevation of the completed container and plans of the main and auxiliary blanks forming it;

Figs. 17, 18, and 19 illustrate another form, particularly containers of the pluri-celled respectively being a front elevation and top type formed of one piece of stiff sheet mate- plan of the completed container and a plan 55

can be formed from a proper blank by simple form, respectively being a front elevation manipulations, and in addition to provide for and a section on line 21 of Fig. 20 of the coma support for such a container whereby it pleted container and plans of the main and

or advertising matter thereon. Other ob- vertical sectional views in planes at right s angles to each other and a horizontal sec-Hereinafter I describe five forms which tional view of a container-end construction

therewith I may briefly remark that in the duced by bending a blank of stiff sheet matesimplest or first two forms to be explained rial on parallel lines, between which is what I the blank used has opposite tongues each, term the panel, and bending each wing lat- 70 when the corresponding edge portions are eral of the panel on lines parallel with the bent toward each other, to enter and be first lines, and finally locking the wings to caught in a common slit in the intermediate the panel by engaging each of them in a slit part of the blank, so that two cells are formed therein. The bends formed are in the examthereby, the blank having provision for the ples shown of angular type (90°). Parts closing of one or both ends of each cell where of the blank may be used to close the ends of

tions an easel-support if the container is to bending are indicated at 1, the panel between be arranged for display in upstanding posi- them at 2, the wings at 3, and the lines of 80 tion; and that in the other three forms, with- bending the wings at 4, while 5 indicates a 30 out otherwise altering the blank so far as the slit in the panel and 4° a tongue or projection formation of the said two cells is concerned, of each wing to engage in such slit. For the tongues enter individual slits, so that pro- closing one (here the bottom) end of the convision is thus made for spacing the cells, the tainer there may be a flap 6 projecting from 86 intervening space being adapted to be put to one end of the panel and, upon bending it on some useful purpose, as in the display of the lines 6°, this may be introduced into the advertising matter or the forming of a third container in the manner shown in Fig. 3 so cell. Preferably the bending to form the as to form a (bottom) end wall 6^b and a mentioned two cells is in angular bends. false (bottom) end wall 6°, it being split as 90 Figs. 1, 2, 3, 4 and 5 illustrate one form of shown to form twin flaps or so as to straddle 40 the invention, respectively being a front ele- the portions 4b of the wings, which form a vation, a rear elevation and sectional views laminated-wall partition (Fig. 4). For closing the other (here the top) end of the container there may be a flap 7 projecting from 95 the panel and, upon bending it on the line 7º, this may be introduced into the container as shown in Fig. 3 so as to form a (top) end wall 70, it being split to straddle the portions 4^b of the wings; and if a false top is 100 desired each wing may have a flap 8 to be bent on lines 8ª and introduced into each cell in the manner shown in Fig. 3, thus forming a false (top) end wall 8b. The false (top

and bottom) end walls reinforce the end por- of the two cells. It is further secured as foltions of the container, especially against the pressure of the contents. In use this form of the container stands upright, wherefore the 5 tongues 4ª may be developed to form an easel support (Fig. 3). The articles forming the contents, being stacked in each cell, may be removed from the bottom thereof through a front opening 9, having a flexible retainer 10 10, 11 being a back finger opening for ejecting the contents at opening 9. There may be of the ends of each cell.

Figs. 6 to 10: In this form the container is placard for advertising matter. intended to rest on its side. The first two lines of bending, the panel, the wings, the lines of bending the wings and the slit are respectively indicated at 13, 14, 15, 16 and 17. In order that the tongues which enter 20 the slit 17 may in this form be adapted to form an easel support they are formed as follows: One tongue, 19, is plain, with two lateral ears 19^a; the other, 20, is about the width of the wing from which it projects, has opposite slits 20° separating it from the wing except at the middle and each formed with a rebend producing an ear 20b, and has the oblique slits 20°, and is further adapted to be folded on lines 20d at right angles to the lines 13 and 16 at the bases of said ears. When each cell is formed, by bending on the lines 13 and 16, the locking of the wings 15 to the panel 14 is accomplished by passing each tongue through the slit 17 (first folding 42, and they and the tongues 39 are then made extremities 20° back flat upon the tongue and to diverge (Fig. 18) so that they will form an 100 on lines 20d), and an easel support is then formed by shifting the extremities of tongue 20 into perpendicular relation to the panel (Figs. 8 and 9) and then entering the ears 10) 19° of tongue 19 in the slits 20° of such extremities. The container ends may be closed by the twin flaps 21, slitted to accommodate a partition 22 formed in the same way as in Figs. 1 to 5, and by ears 23 like the described 15 ears 12.

by the tongues are employed the cells will be separated, and the intervening space may also in all the other forms) is by slitting at be utilized to form a third cell or for adver-50 tising display. Thus in Fig. 15 the panel 24, wings 25, tongues 26, flaps 27 and 28 and ears 29 being all substantially the same as the corresponding parts in Figs. 1 to 5, the panel has two slits 30 for the tongues so that the cells formed will be spaced (Figs. 11 and 14). For 50, the container in this case has the two 120 forming a cell between these two cells the cells formed by the main blank of Fig. 22 auxiliary blank shown in Fig. 16 may be spaced from each other and an intermediate used. This is a strip 31 formed with an en-cell may be produced by fitting in place the largement 32 having depending ears 32° and part formed from the blank shown in Fig. also formed with a pair of fins 33, and upper 23. This is a strip 59 adapted to be bent on 125 and lower pairs of ears 34 and 35. The upper the longitudinal parallel lines 60 and havor body part of the strip is arranged to cover ing ears 61 at the ends of this (its widened) the space between the two cells, its fins over- portion and also adapted to be bent on translapping them, thus to form a third cell and verse lines 62. On bending the strip on the

lows: Having bent the strip on the transverse lines 36 its ears 34 are tucked into the lower ends of the two lateral cells so as to be covered and held in place by the main flaps 70 27 (Fig. 12) and then the ears 35 thereon are engaged in slits 26a in the tongues. The member formed by this blank is thus held in place at 32a, 33, 34 and 35, and the resulting structure is provided with an easel support 75 as shown in Figs. 13 and 14. In this case the ears 12 on the wings to serve in the closing intermediate cell is open at the top and strip 31 including the enlargement 32 affords a

Figs. 17, 18 and 19: Here again a three 80 celled container is formed, though all in one piece. The main part of the blank includes the panel 37, wings 38, tongues 39, flaps 40 and ears 41, all substantially the same as corresponding parts in Figs. 1 to 5, the panel 85 having two slits 42 for the tongues so that the cells formed will be spaced as in Figs. 11 to 16. The midle cell is in this case produced from wing 43 of the blank projecting from one of the two sides of the panel not occupied 90 by the opposite wings 38. When the two side cells have been formed as in Figs. 11 to 16, the wing 43 is bent on the transverse lines 44 so as to form a top and a front wall for the intermediate cell and it is also bent on the 95 lines 45 so as to form side walls for such cell, and the tongues 46 which project laterally from wing 43 are extended through the slits easel support. To close the bottom of the intermediate cell there may be another flap 47 corresponding to the flaps 40 to be bent and tucked in to form such bottom the same as they are.

Figs. 20, 21, 22 and 23: This construction presents a modification by which each cell may be divided into upper and lower compartments. Panel 48, wings 49, tongues 50, flaps 51 and 51^a and ears 52 are all the same 11^a Figs. 11 to 16: If two slits for engagement as before but each opening 53 (for displaying the contents of each cell, such appearing 55 left with the tongue 56 which after the cell has been formed can be bent off hori- 115 zontally and have its free end engaged in a slit 57 in the panel, so that 56 divides the cell into upper and lower compartments. By providing two slits 58 to receive the tongues having its ears 32ª fitted into the upper ends lines 60, it may be fitted between the two lat- 130

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ears 61 bent laterally at right angles and blank of stiff sheet material having its intertucked under the flaps 51 and 51° when the mediate portion a flat panel and portions dilatter are positioned to close the ends of rectly opposite each other and forming its 5 these cells, and it may further be bent on the extremities and arranged on opposite sides 70 lines 62 and have lateral ears 63 at the end of the panel bent first toward each other and of its narrower portion engaged in slits 50° then toward the panel to form cells and in the tongues 50, thus to close the bottom of each having a penetrating interlocking enthe intermediate cell thus formed and form gagement with the panel. 10 an easel support. The opening 64 in the strip 2. A pluri-celled container including a 75 may also have a tongue 65 to engage a slit blank of stiff sheet material having its in-

two compartments.

15 specially designed to resist outward pressure panel and then toward the panel to form the 80 of the contents. Let 67, 68 be the front and back walls and 69 the two side walls of a container (such as each cell in Figs. 1 to 5 forms for example). Walls 69 have end ears 20 70 which in forming the end construction are projecting from the other face of the panel 85 bent inward as best seen in Fig. 26. Wall 67 and forming an easel support. has a T-shaped extension 71 adapted to be 3. A pluri-celled container including a bent on a transverse line 67° to cover the blank of stiff sheet material having its interthus-positioned ears 70 (Fig. 25), the ears of mediate portion a flat panel and its extrem-25 which extension are marked 72. The exten- ities on opposite sides of the panel bent first 90 sion is also adapted to be bent on another toward each other and then toward the panel transverse line 71° and again on lines 72° to form cells and each having a penetrating to bring its said ears within the container end interlocking engagement with the panel, said and so as to lie in face to face relation to walls blank including flaps extending therefrom 30 69 and hooked over ears 70. This is accom- and respectively arranged to be tucked into 95 plished at the time 68, 69 and 70 are bent into and close ends of the cells. position to form walls of the container. 4. A pluri-celled container including a Since the ears 72 are hooked over the ears blank of stiff sheet material having its inter-70 (Fig. 25) that portion of 71 which now mediate portion a flat panel and edge por-35 forms the outer end wall of the container is tions on opposite sides of the panel bent first 1000 locked by them against outward displace- toward each other at the same face of the

tainer including a blank of stiff sheet ma- locking engagement with the panel, the porterial having its intermediate portion a tions of said extremities which are bent 105 flat panel and its extremities (4a, for ex- toward the panel having a space between ample) on opposite sides of the panel bent them as to which said portions and the infirst toward each other and then toward the tervening part of the panel together form panel to form cells and each having a pene- three sides thereof and said container includtrating interlocking engagement (by 4ª pen- ing a portion of stiff sheet material inter- 110 etrating 5, for example) with the panel, the locked with said blank and arranged in extremities projecting to form an easel sup- bridging relation to and forming a fourth port when the container is arranged with the side of said space. panel in upstanding position, and flaps ex- 5. A pluri-celled container including a 50 tend from the blank so as to be arranged to blank of stiff sheet material having its in- 115 be tucked into and close ends of the cells; termediate portion a flat panel and edge porin the third, fourth and fifth forms the cells tions on opposite sides of the panel bent first have a space between them three sides of toward each other at the same face of the which are formed by said cells and the panel panel and then toward the panel to form the and the container includes a portion of stiff cells and each having a penetrating interlocksheet material interlocked with said blank ing engagement with the panel, the portions and arranged in bridging relation to and of said extremities which are bent toward the forming a fourth side (43 for example), panel having a space between them as such portion in two of these three forms being to which said portions and the intervening bent around a third side of the panel into part of the panel together form three sides 125 opposition to its other face and being in- thereof and said container including a porterlocked with the blank at both faces of the tion of stiff sheet material arranged in bridgpanel.

what I claim is:

eral cells formed by the main blank with its 1. A pluri-celled container including a

66 in the panel to divide the middle cell into termediate portion a flat panel and edge portions on opposite sides of the panel bent first Figs. 24 to 27 show a cell end construction toward each other at the same face of the cells and each having a penetrating interlocking engagement with the panel, said container being adapted to rest with the panel in upstanding position and said extremities

panel and then toward the panel to form the In all the forms there is a pluri-celled con- cells and each having a penetrating inter-

ing relation to and forming a fourth side of Having thus fully described my invention, said space and bent around a third side of the panel into opposition to its other face and 130

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thus forming a fifth side to said space and said space, said extension having lateral ears

faces of the panel.

6. A four-walled container formed of bent 5 stiff sheet material, one wall having a tongue formed therein by slitting the material and such tongue bent off into a position in angular relation to said wall to partition the space of the container into two compartments and the opposite wall having a slit receiving the free end of the tongue and thereby holding the tongue in said position.

container formed of bent stiff sheet material including, with four walls encompassing the space of the container, ears projecting toward each other from two of said walls which are opposite each other and an extension extending from a third one of said walls and 20 reaching around said ears and tucked into

being interlocked with said blank at both at its tucked-in extremity projecting toward the third wall and hooked over the first ears.

8. A container formed of a blank of stiff sheet material and having a flat panel and the 25 extremity of the blank at one margin of such panel bent first toward its extremity at the opposite margin of the panel and then toward the panel to form with the adjoining face thereof a cell and having in the panel 30 a slit substantially parallel with the line of the latter bend and also having the former 7. An end construction for a rectangular extremity penetrating the slit, said container being adapted to rest with the panel upright and said former extremity project- 35 ing from the other face of the panel and forming an easel support.

In testimony whereof I affix my signature.

HERMAN A. FEIGELMAN.