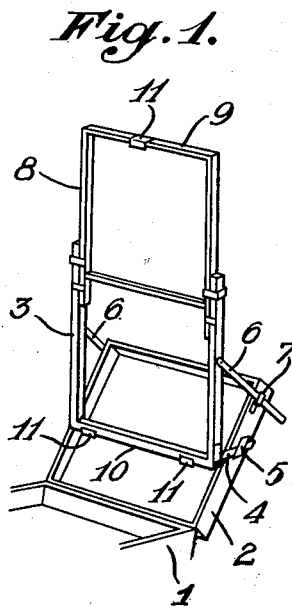
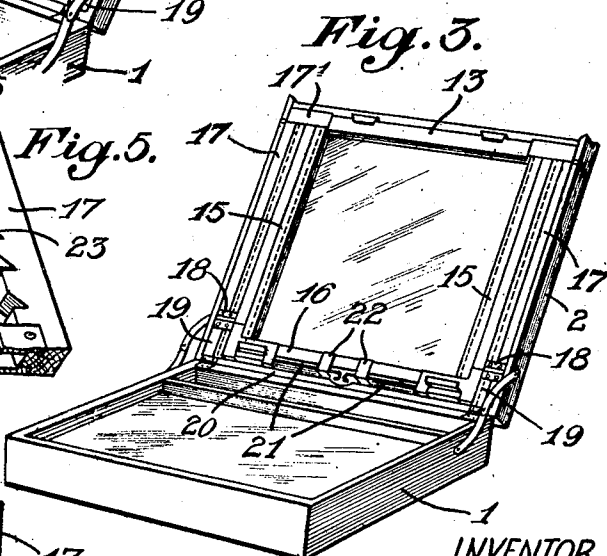
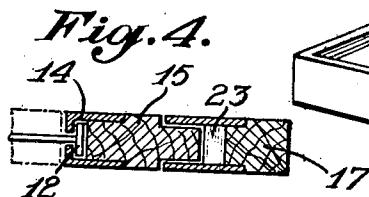


Filed June 15, 1949

2,680,932

3 Sheets-Sheet 1



ADALBERT ROTSCCHILD - ALSO KNOWN AS -
ADALBERT RONA - NOW BY CHANGE OF
NAME ADALBERT BELA RONA

By Richard M. David and Gordon
his ATTYS.

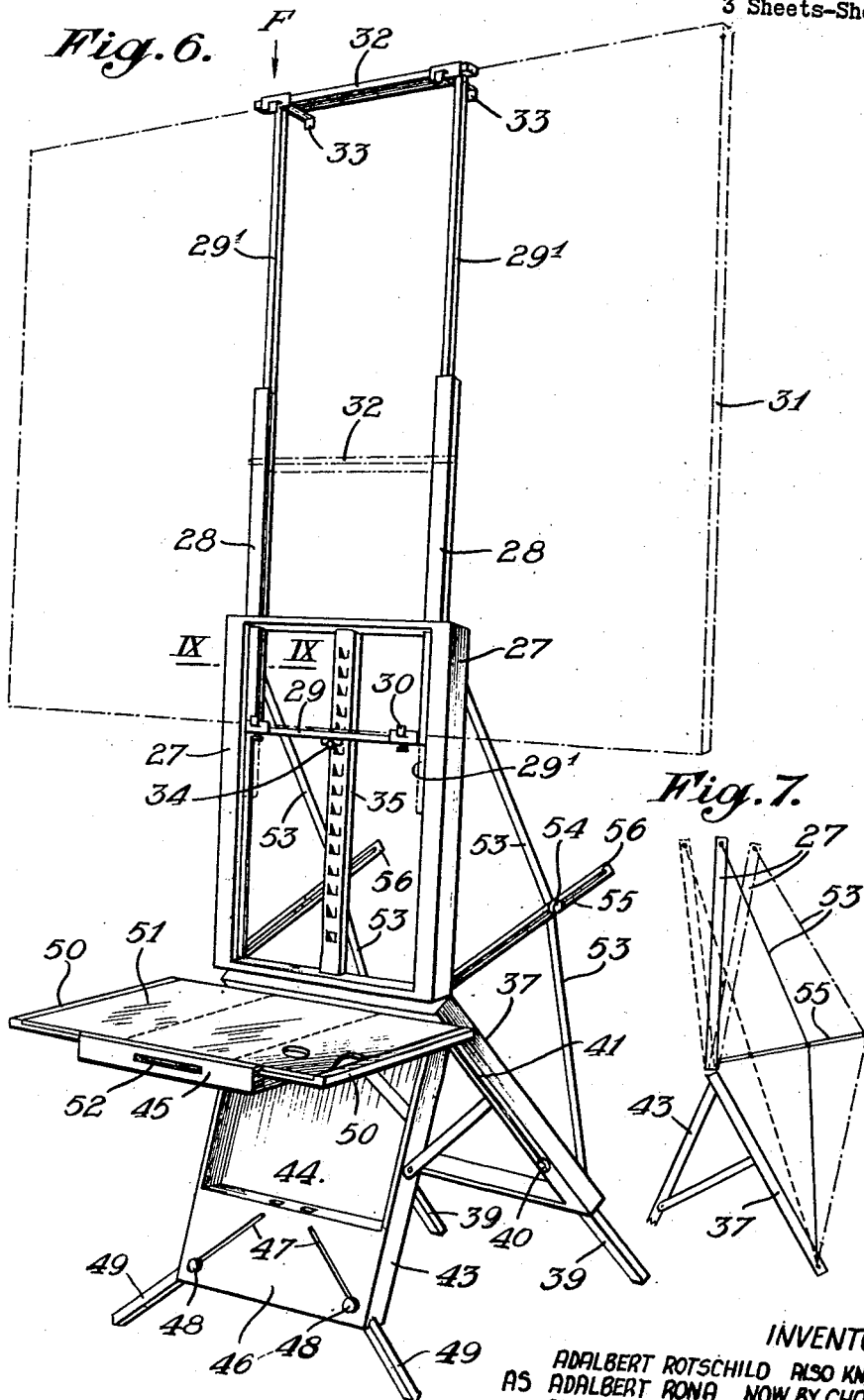
June 15, 1954

ADALBERT ROTHSCHILD
ALSO KNOWN AS
ADALBERT RONA
NOW BY CHANGE OF NAME
ADALBERT BELA RONA
FOLDABLE PAINTER'S OUTFIT

2,680,932

Filed June 15, 1949

3 Sheets-Sheet 2



INVENTOR
ADALBERT ROTHSCHILD ALSO KNOWN
AS ADALBERT RONA NOW BY CHANGE
OF NAME ADALBERT BELA RONA
by
Richardson, David and Nordon

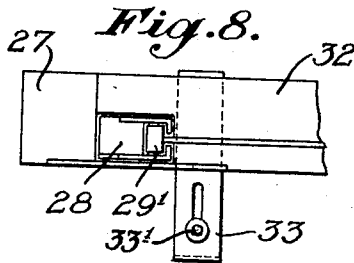
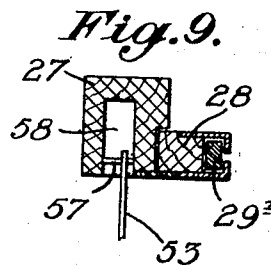
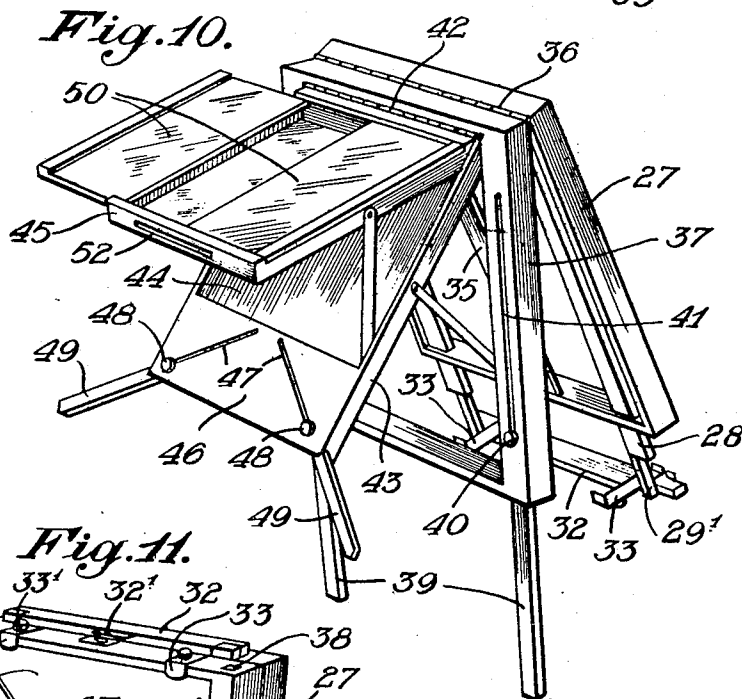
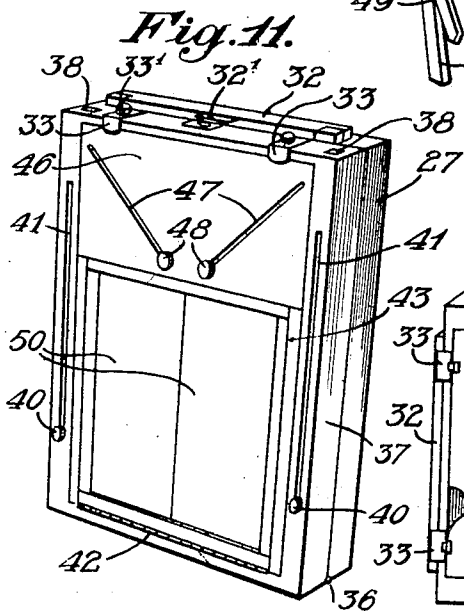
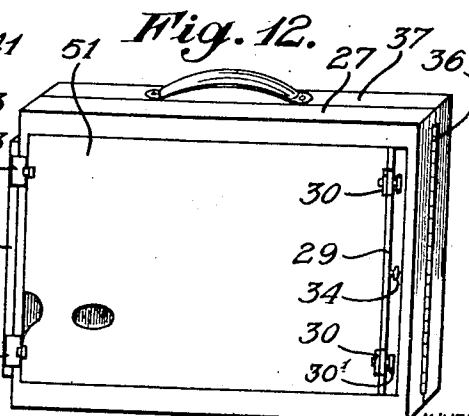
June 15, 1954

ADALBERT ROTSCCHILD
ALSO KNOWN AS
ADALBERT RONA
NOW BY CHANGE OF NAME
ADALBERT BELA RONA
FOLDABLE PAINTER'S OUTFIT.

2,680,932

Filed June 15, 1949

3 Sheets-Sheet 3



INVENTOR
ADALBERT ROTSCCHILD, ALSO KNOWN
AS ADALBERT RONA, NOW BY CHANGE
OF NAME, ADALBERT BELA RONA
Richardson, David and Gordon

ASTY 3

UNITED STATES PATENT OFFICE

2,680,932

FOLDABLE PAINTER'S OUTFIT

Adalbert Rotschild, also known as Adalbert Rona,
Paris, France, now by change of name Adal-
bert Bela Rona

Application June 15, 1949, Serial No. 99,274

Claims priority, application Belgium
June 22, 1948

5 Claims. (Cl. 45-129)

1

My invention has for its object to provide painters with variable portable and transformable units whereby the artist is capable of automatically giving his panel or canvas the desired height and slope in accordance with any requirements while the artist retains full liberty of execution and his comfort remains very high and approximates that of his studio.

More specifically my invention provides the artist or the amateur either:

(a) With the possibility of producing a sketch or of painting a picture of average size through the use of a system comprising chiefly a paint-box the size of which is sufficiently small for it to be carried on the knees and associated with means allowing the panel to be brought to the level of the eyes.

(b) In the case of the artist working outside his studio or of an amateur who has no such studio, with the possibility of erecting in a few seconds at any point or in any premises whatever, say in a corner of a room in a flat or hotel or the like, a complete and comfortable studio including in particular a disconnectable easel for large-sized canvases in association with the paint-box and a table or the like support on which may be laid the palette and the like necessary implements.

In order to provide such results my improved unit has for its chief feature the provision of a system of extensible frames adapted to hold panels or canvases or the like of different sizes.

In the practical execution of the invention, said arrangement of extensible frames includes generally means for setting the panel, canvas or the like at a variable height within the desired limits and at an adjustable slope.

The sliding of the frames with reference to one another is generally executed telescopically.

According to a first embodiment of the invention, the extensible frames are associated with a paint-box of a comparatively reduced size and they serve then chiefly for sketching on a carrier of a comparatively large size.

In a second embodiment, the system of extensible frames cooperate with means allowing the mounting at any suitable point outside a studio of a standard-size studio easel, and the transportation of the different elements of the system under the form of a portmanteau.

Accompanying drawings show by way of example how the invention may be executed in practice. In said drawings:

Fig. 1 illustrates in its simplest and most diagrammatic form the application of a system of extensible frames to an ordinary paint-box.

Figs. 2 and 3 are respectively views in their unfolded and folded positions of a system of parts carried inside the cover of a paint-box and al-

2

lowing the formation of a support of a varying height for a panel intended for a sketch or a picture of average size.

Fig. 4 is a sectional view through line IV-IV of Fig. 2.

Fig. 5 is a detail view.

Fig. 6 is a view of a studio easel obtained with a portable unit according to my invention.

Fig. 7 is an explanatory diagram.

Fig. 8 is a view taken in the direction of the arrow F of Fig. 6, two of the frames serving as supports for the canvas being slidably collapsed inside a first basic frame that forms a complete and rigid structure.

Fig. 9 is a cross section through line IX-IX of Fig. 6.

Fig. 10 is a perspective view illustrating the manner of unfolding the different elements.

Figs. 11 and 12 illustrate in its closed position the portable system containing all the elements to be used for mounting the easel and the like accessories illustrated in Fig. 6.

In the embodiment illustrated in Fig. 1, a paint-box 1 is used that is provided as usual with a foldable lid 2 and cooperates with a frame 3 provided at each end of its lower cross-member 10 with a lug 4 engaging a hook 5 carried by a side wall of the lid 2; thus when engaging the lugs 4 in the corresponding hooks 5, it is possible to position in a vertical plane or in a substantially vertical plane the frame 3 that is held moreover by the pivoting arms 6 adapted to engage other hooks 7 also carried by the lid 2.

According to a particular feature thereof, the frame 3 is extensible by reason of the fact that in each of its uprights may slide a further upright 8 rigid with the upper cross-member 9 carrying in the same manner as the lower cross-member 10 one or more hooks 11 engaging a sheet of material for sketches or a canvas for a painting.

In the case of Figs. 2 to 5, an extensible frame is used that includes uprights 12 constituted each by a flat member, the flat members being connected together at their upper end by a cross-member 13 and being adapted to slide in grooves 14 formed in the cooperating uprights 15 connected together by a lower cross-member 16. This extensible frame may occupy positions that are adjustable as to height with reference to the further uprights 17 inside which it may slide and that are capable of rocking through the agency of hinges 18 round the ends of the stationary members 19 housed in the lid 2 at either end of the side 20 through which the cover 2 is hinged to the paint-box 1. The uprights 17 form thus with the upper cross member 13 a frame of a variable slope with reference to which the lower side or cross member 16 of the extensible

3
frame may occupy a position that is adjustable as to height.

The stationary members 19 may if required be omitted and in this case the first frame or carrier 17—17' is secured through any suitable means allowing the direct pivoting with reference to the side 20 of the lid 2.

The cross-member 16 and the whole system of extensible frames may be held fast at varying positions in a vertical plane through small bolts constituted by rods 21 carried by said cross member, said rods being guided in eyes 22 and being adapted to engage the teeth of racks 23 formed along one side of the uprights 17.

As illustrated in Figs. 2 and 5, this arrangement allows the uprights 12 to pass through the cross member 16.

Fig. 3 illustrates the position occupied when collapsed by the extensible frame 13—14—15—16 and by the uprights 17 when the latter are collapsed inside the cover and lie in alignment with the members 19 and when the uprights 12 are completely collapsed inside the uprights 15 and the latter inside the members 17—19.

A feature of interest in the arrangement described consists in that the uprights 17 cannot rock round the hinges 18 until the frame 13—12—15—16 has been brought by hand out of the position illustrated in Fig. 3 through a thrust exerted on the cross member 16, after release through the rods 21, until a position is reached for which the cross member 16 lies beyond the hinges 18. It is only at this moment that the uprights 17 can be set in a vertical or substantially vertical position as illustrated in Fig. 2 inside which they are held by the stays 24 that are capable of rocking round the pivots 25 carried by the uprights 17 and of engaging the notches 26 in the lid 2 as shown in Fig. 2. In each notch there is a stop, not illustrated, adapted to be engaged by the teeth 27 in the stay 24.

It is also possible to provide for a mounting wherein the stay 24 is, as disclosed hereinafter with reference to the rod 53 of Fig. 6, pivotally secured to a nut 54 adapted to slide in a groove 55 of a rule 56 that is in its turn pivotally secured to the edge of the lid.

Figs. 6 to 12 relate to a further embodiment which allows the obtention, at any desired location, of a studio easel (Fig. 6), starting from a compact system assuming the appearance of a portmanteau as illustrated in Figs. 11 and 12; said system includes a plurality of extensible frames adapted to carry different sizes of canvas in any vertical location that may be desired together with supporting frames and a paint-box forming a table for the palette.

As a system of extensible frames, there are provided three elements of which one 27 forms a complete and rigid frame in the uprights of which may slide slats 28 connected through their lower ends by a cross-member 29 carrying lugs 30 for holding the canvas 31. In the slats 28 may slide bars 29' connected in their turn by a cross-member 32 carrying lugs 33 for holding the canvas 31 through its upper end. Said cross-member 32 cooperates thus with the bars 29' so as to form a third frame adapted to slide with reference to the frame 28—29 that slides with reference to the basic frame 27.

An originality of this arrangement consists therefore in that the first frame 27 forms a complete and rigid frame in contradistinction with the embodiment according to Figs. 2 to 5.

The cross member 29 carries a small bolt 34

adapted to cooperate with a rack 35 extending along the medial vertical line of the frame 27 so as to allow the securing of the frame 28—29 in any desired position as to height.

It is also possible to make use of the securing means as illustrated in Fig. 5.

One of the cross-members of the frame 27 is provided with a hinge 36 (Fig. 10) arranged so as to allow the pivoting of the system 27—28—29' round a frame 37 of which two parallel sides are provided with longitudinal bores 38 for the sliding feet 39 provided with stop screws 40 adapted to run in rectilinear grooves 41.

A box member 43 may be folded through the agency of the hinges 42 inside the frame 37; said box member 43 shows over about $\frac{2}{3}$ of its area a recess 44 adapted to receive the paint-box 45 while the remainder of its area forms a board 46 provided with two slanting grooves 47 inside which may slide securing screws 48 rigid with further feet 49. The frame 37 forms with the box member 43 the actual support for the system of extensible frames which support cooperates with the already described member 53—56 allowing the desired suitable slope to be given to said frame.

When it is desired to open the easel, the upper portion of the frame 29'—32 is first slightly raised as obtained by acting through a lock plate 32' on the cross-member 32 the lugs 33 of which hold the members 27—37—43 and 45 in their locked position.

The frame 27 is now rocked away from the frame 37 through a pivotal movement round the hinge 36; the feet 39 are then drawn out and the box member 43 is caused to rock after which the feet 49 thereof are drawn out in their turn.

The following operation consists in raising the frame 27 round the hinge 36 in order to bring said frame into a vertical position as illustrated in Fig. 6. The elements 28—29—29'—32 may then be brought into their open unfolded position illustrated in Fig. 5.

The paint box 45 is then brought to horizontality and the two parts 50 of its lid are drawn out into the position illustrated in Fig. 6. The palette 5 or the like implements may be then laid on the unfolded lid 51 as shown in Fig. 6.

It should be noticed that it is possible to rock the paint box 45 with reference to the box member 43 only when the feet 49 have been drawn out because in their retracted position the latter engage the groove 52 to the front of the paint-box.

The arrangement is such also that it is not possible to rock completely the box member 43 without raising the paint-box 35 that rises automatically at the very moment the feet 49 have been drawn out, as provided by a spring not illustrated.

When it is desired to close the easel:

(1) The frames 29'—32—29—28—27 are caused to telescopically collapse into one another, the higher frame 29—32 being however held in a slightly raised position.

(2) The frame 27 is rocked round the hinge 36 out of its vertical or substantially vertical position in which it was held by a set of rods 53 pivotally secured to a knob 54 adapted to slide in a groove 55 of a rule 56 pivotally secured to one of the frames 27 or 37. At their ends opposed to the knob 54, the rods 53 are pivotally secured to two stub shafts 57 (Fig. 9) provided in grooves 58 formed in the frames 27 and 37 respectively.

5

(3) The two half-lids 50 are caused to slide back into their closed position.

(4) The paint-box 45 is urged back into the recess 44 so as to lock the half lids 50.

(5) The feet 49 are shifted back so as to lock the paint-box 45 inside the said recess 44.

(6) The box member 43 is urged back into the frame 37 of which the feet 39 are collapsed.

(7) The frames 27 and 37 are clamped together and the palette 51 is positioned inside the frame 27 underneath the lugs 30 (Fig. 12).

(8) The frame 29¹—32 is pushed home so that its lugs 33 may lock the whole arrangement and close the lock 32¹.

The lugs 30 and 33 (Fig. 6) allow furthermore an adjustment in accordance with the thickness of the panel or canvas, said adjustment being provided through the nuts 30¹ and 33¹ (Figs. 8 and 11).

The different parts of the unit described may be made according to the case of wood, metal or the like material. The wood, metal or the like suitable material may also be associated in any desired manner.

What I claim is:

1. A container for an artist's equipment comprising two juxtaposed rigid elements hingedly connected together along their meeting edges, one of said elements constituting a paint box and the other constituting a foldable lid for said paint box element, two uprights hingedly connected to said lid element inside the latter at each end of the edge having pivotal connection with the paint box element, a cross member connecting said uprights together at their upper ends so as to form a first frame, means whereby said uprights are adapted to be set in a substantially vertical position, a second frame having slidable connection with said uprights, said latter frame having grooves, and a third frame including uprights adapted to slide in the grooves of said second frame.

2. A container for an artist's equipment comprising two juxtaposed rigid elements hingedly connected together along their meeting edges, one of said elements constituting a paint box, the other of said elements constituting a foldable lid for said paint box element, two uprights hingedly connected to said lid element inside the latter at each end of the edge having pivotal connection with the paint box element, a cross member connecting said uprights together at their upper ends so as to form a first frame, means whereby said uprights are adapted to set in a substantially vertical position, a second frame having slidable connection with said uprights, said second frame having grooves, and a third frame including uprights adapted to slide in the grooves of said second frame, said first frame including racks on both of its uprights and slidable rods coacting with said racks for adjustably securing said second frame to said first frame.

3. A container for an artist's equipment comprising two juxtaposed rigid elements hingedly connected together along their meeting edges, one of said elements constituting a paint box section, the other of said elements constituting a foldable lid section for said paint box section, two spaced uprights hingedly connected to said lid section inside the latter adjacent its pivotal connection with the paint box section, a cross member connecting said uprights together at their upper ends so as to form a first frame section, means whereby said uprights are adapted to

6

be set in a substantially vertical position, a second frame section having slidable connection with said uprights, said second frame section having a perforated lower connecting piece, said second frame section having grooves, and a third frame section including uprights adapted to slide in the grooves of said second frame section, said first frame section including racks on both of its uprights and perforated slidable rods coacting with the racks for adjustably securing said second frame section to said first frame section, the uprights of said third frame section passing through the perforations in the lower connecting piece of said second frame section and through the perforations in said sliding rods.

4. A container for an artist's equipment comprising two juxtaposed rigid elements hingedly connected together along their meeting edges, one of said elements constituting a paint box, the other element constituting a foldable lid for said paint box, two uprights hingedly connected to said lid element inside the latter at each end of the edge having pivotal connection with the paint box element, a cross member connecting said uprights together at their upper ends so as to form a first frame, means whereby said uprights are adapted to be set in a substantially vertical position, a second frame having slidable connection with said uprights, said second frame section having a perforated lower connecting cross piece, said second frame section being provided with grooves, and a third frame section including uprights adapted to slide in the grooves of said second frame section, said first frame section including racks on both of its uprights and perforated slidable rods coacting with the racks for adjustably securing said second frame section to said first frame section, the uprights of said third frame section passing through the perforations in the lower connecting piece of said second frame section and through the perforations in said sliding rods, the uprights of said first extensible frame section being held against rocking around their hinges until the second and third frame sections have been moved and until after said sliding rods have been released to permit the second frame section to be moved to a position wherein the lower cross piece lies beyond the hinge connection with said first frame section.

5. A combined artist's equipment box and easel comprising a box section, a cover section having side walls, one of said side walls being hinged to the box section, a frame section including spaced uprights hinged to the hinged wall of said cover, a second frame section including uprights slidably supported by the uprights of the first frame section, and a third frame section having uprights slidably supported by the uprights of the second frame section, said frame sections being adapted to be folded within the confines of the walls of the cover section and said box section serving as a base for said frame sections when in upright position.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
147,101	Campe	Feb. 3, 1874
283,175	Werner	Aug. 14, 1883
1,069,879	Deeney et al.	Aug. 12, 1913
1,286,018	Jones	Nov. 26, 1918
1,480,631	Osborn	Jan. 15, 1924
2,083,839	Grieve	June 15, 1937
2,503,807	Dolas	Apr. 11, 1950