

Sept. 17, 1935.

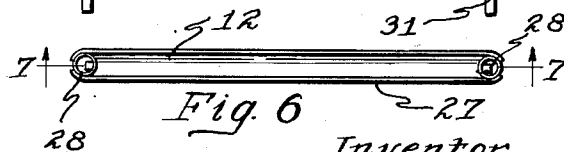
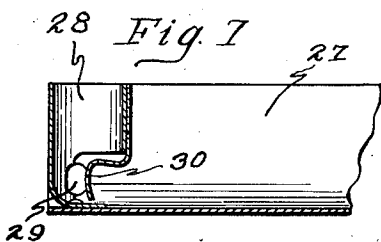
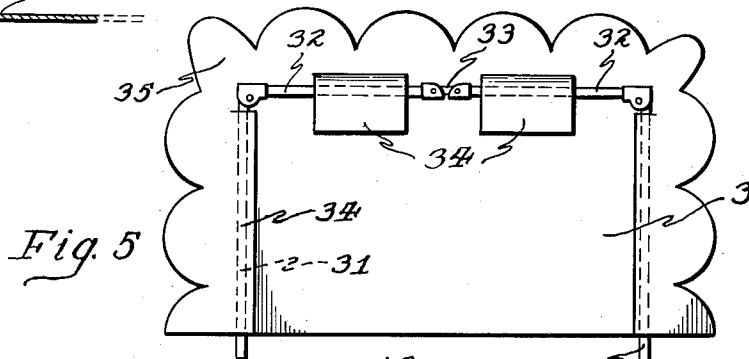
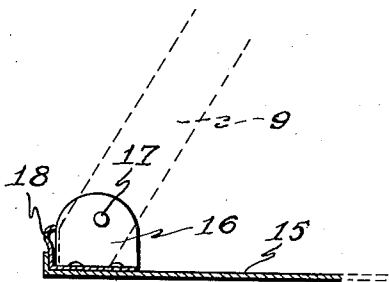
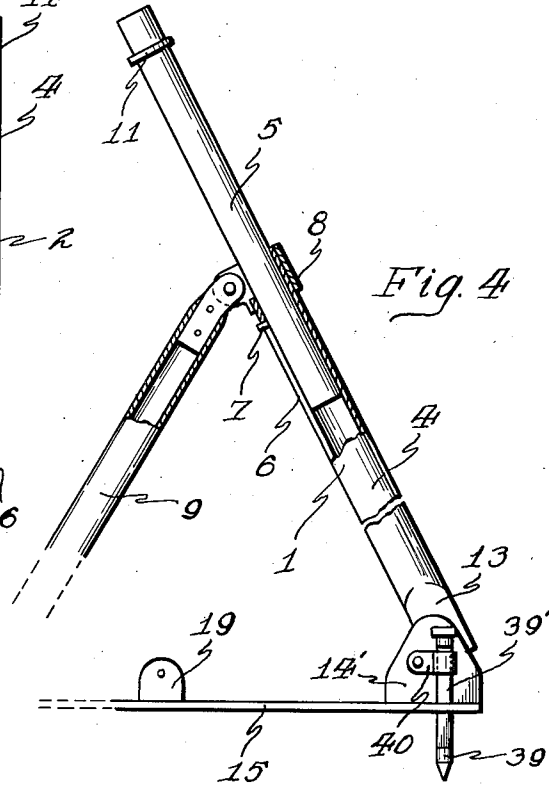
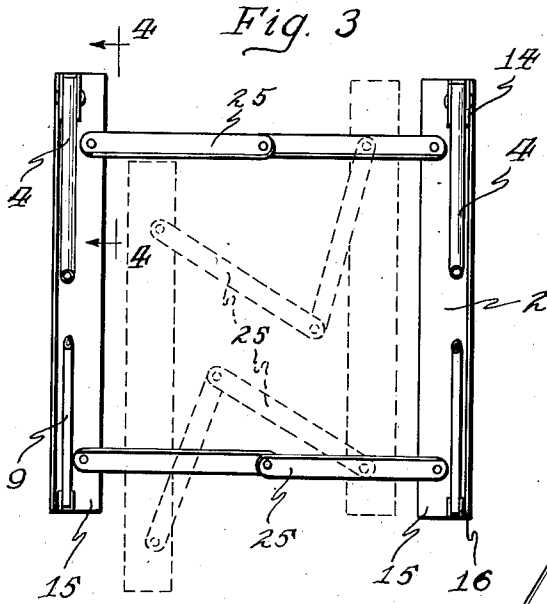
C. CZYGAN

2,014,614

COLLAPSIBLE BEACH AND LAWN CHAIR

Filed June 12, 1934

2 Sheets-Sheet 2



Inventor
Carl Czygan
Arnold & Schuler, atty.

UNITED STATES PATENT OFFICE

2,014,614

COLLAPSIBLE BEACH AND LAWN CHAIR

Carl Czygan, Chicago, Ill.

Application June 12, 1934, Serial No. 730,318

2 Claims. (Cl. 155—154)

My invention relates to furniture and more particularly to a folding chair for use on beaches or lawns and includes a pair of collapsible side frames pivotally mounted on two base members 5 which are pivotally linked in such manner as to be folded together, a strip of flexible material such as canvas connected to and between the said side frames to form the back rest of the chair and an extending portion of said canvas strip to be spread on the beach or lawn to form the seat, a folding shade member is also included which is fitted into the spacing member holding the said side frames spaced apart.

The main object of my invention is to provide a 15 collapsible chair for use on the beach or lawn wherein a pair of collapsible side frames are pivotally mounted on a folding base and a strip of flexible material is connected to and between the said side frames to form a back rest, with an extending free portion of the strip to be utilized as a seat.

A second object of my invention is to provide a collapsible side frame wherein the angle of the back rest can be varied.

25 A third object of my invention is to provide a spacing member to hold the side frames in fixed spaced relation, and to retain the detachable folding shade member.

Further objects of my invention are to provide a collapsible beach or lawn chair which is easy to assemble and manipulate, ornamental in appearance, very efficient and durable, and can be compactly folded when not in use. Many other objects of my novel invention will be shown and made apparent further in this specification.

35 An illustrative embodiment of this invention is shown in the accompanying drawings wherein:
Fig. 1 is a side elevational view of the assembled chair.

40 Fig. 2 is a rear elevational view of Fig. 1.

Fig. 3 is a plan view of the chair taken on line 3—3 of Fig. 1.

Fig. 4 is a view taken on line 4—4 of Fig. 3 with portions broken away.

45 Fig. 5 is a view of the shade member taken on line 5—5 of Fig. 1 with the canvas covering flattened out.

Fig. 6 is a view of the upper spacing member taken similarly to Fig. 5.

50 Fig. 7 is a section taken on line 7—7 of Fig. 6 of the spacing member.

Fig. 8 is a cross section of the rear U-shaped spring clip, showing the brace in dash lines.

55 Fig. 9 is a plan view of only the base in folded position.

Fig. 10 is a perspective view of the toggle connecting arms for the folding base.

Fig. 11 is a detailed view showing the locking means for one of the braces.

In the form shown in the accompanying drawings, my novel device comprises a pair of side frames generally designated by numeral 1, a folding base unit 2, and a shade member generally referred to by numeral 3.

The side frames 1 consist of telescoping arms 4 and 5 which are constructed of split or solid metal tubings, the arm 4 has a longitudinal slot 6, Fig. 4, in which rides a pin or stop 7 affixed to the inner telescoping arm 5. Around the upper end of the arm 4 is fitted a clamp 8 and between the lips of the clamp 8 is pivotally pinned a rear supporting brace 9; the brace 9 can be made of tubular material or the like flattened at the upper end and a wing nut 10 is provided to press the lips of the clamp 8 together to hold the rear supporting brace in a fixed position. Near the upper end of the arm 5 is a circular flange 11 which acts as a stop or rest for the spacing member 12 that fits onto the ends of the arms 5 of the frames 1. The lower end 13 of the telescoping arm 4 which is partially flattened, is pivotally mounted in a U-shaped member 14 riveted to the forward end of a base plate 15 of the folding base unit 2.

The folding base 2 consists of two of the aforementioned base plates 15 with the U-shaped members 14 riveted on their front end; a smaller U-shaped clip 16, Fig. 1, is riveted on the rear end of each base plate 15, and the sides of each clip 16 have an inwardly depressed portion 17 which fits into a corresponding depression 17' in the sides of the lower end of the supporting brace 9, the sides of the said spring clip 16 are normally sprung inward and therefore snugly holds the supporting brace 9 when it is forced therebetween, an additional stop member 18 is provided as a safety measure to prevent the brace 9 from slipping. A second U-shaped spring clip 19 is riveted to the base plate 15 intermediate the ends of the said base plate Figs. 1 and 9. The two base plates 15 are foldably connected together by two toggle connections 25, Figs. 3, 9 and 10, comprising a pair of metal arm members 20 and 21, pivotally pinned together with their outer ends pivotally pinned to the base plates 15; the toggle arm 20 has a portion bent over to form a tongue 22, which passes through a slot 23 in the flanged edge 24 of toggle arm 21 thereby holding the toggle arms locked and the base plates held in their open position.

The upper ends of the side frames 1 are held

in spaced relation to each other by a spacing member 12, Figs. 2, 6 and 7. The spacing member 12 is constructed of a metal sheet pressed into a U-shaped body 27 with cylindrical receptacles 28 fitted into the ends thereof and riveted and soldered to said body. These receptacles are fitted over the upper ends of the telescoping arms 5 of the side frames 1. An aperture 29 is provided in the side of the body 27 and a spring clip 30 depending from the receptacle 26 acts against the sides of the supporting arms of a folding shade 3 which are inserted through the said apertures 29.

The detachable and folding shade 3, Figs. 1 and 5, consists of a metal frame made up of a pair of supporting arms 31 pivotally pinned to the fore arms 32 which are in turn pivotally linked together by an intermediate linking bar 33. Tunnels 34 are provided in the canvas covering 35 to retain the said covering on the said shade frame.

A sheet 36 of flexible material such as canvas is stretched between the side frames 1 and connected to the arms 4 and the spacing member 12 to form the back 38. Tunneled flaps 37 hold the sheet 36 onto the arms 4, and the upper end of the said sheet 36 is turned back and sewed to form a looped end 41 through which the spacing member 12 is passed to support the back rest 38. The lower extending portion of the canvas sheet 36 provides the seat 42 for this beach and lawn chair.

In order to prevent the chair base plates 15 from slipping on the lawn, a novel pivotable ground peg 39 is provided on the side 14' of the U-shaped members 14, Fig. 4, consisting of a pivoting hanger 40 pinned to the side 14' of the U-shaped member 14, and a pointed metal peg 39 having a flat recessed segment 39' which is slidable in the pivoting hanger 40.

In setting up this collapsible beach chair the folding base 2 is first opened as shown in Fig. 3 until the toggle arm 20 is locked against the arm 21; then the telescoping arms 4 are pivoted upward and the rear supporting brace 9 is swung back and fitted into the U-shaped spring 16; the spacing member 12 is passed through the looped end 41 of the back 38 and fitted onto the ends of the telescoping arms 5; and the telescoping arms 5 are then drawn out of arms 4 until the pin 7 reaches the upper end of slot 6 in the arm 4, by tightening the wing nut 10 the lips of the clamp 8 are drawn together to hold the telescoping arms 5 outward and the rear supporting brace in a fixed position; the shade is then opened and each end of the supporting arms 31 are inserted into the apertures 29 in the side of the spacing member 12, and the spring 30 pressing against the said supporting arm 31 retains the same securely within the said spacing member 12, finally by spreading the extending portion or seat 42 on the beach the chair is ready for occupancy and shown by Fig. 1.

When the chair is to be used on a lawn the rear supporting brace 9 is moved forward to the intermediate spring clip 19. This raises the back 38 to a more vertical angle. The ground

peg 39 is also used to prevent the chair from slipping and is easily operated by simply pivoting the hanger 40 on the side 14' of the U-shaped member 14 until the peg 39 is vertical, then by stepping on the head of the peg 39 the said peg is pushed through an aperture in the base plate 15 and forced into the ground thereby pegging the chair to that spot.

In folding the chair to be put away, the shade 3 is removed and is folded together, and the spacing member 12 removed from the ends of the telescoping arms 5; the folded shade 3 is then placed inside the body 27 of the spacing member 12; next the wing nuts 10 are loosened and the telescoping arms 5 are pushed into the arms 4; the rear supporting braces 9 are then released and pivoted inward against the arms 4; then both the arms 4 and braces 9 are pivoted downward with said braces 9 fitted into the U-shaped spring clips 16 and 19; the base plates 15 are next folded together as shown in Figs. 3 and 9; and finally placing the spacing member 26 with the folded shade 3 therein, between the folded side frames 1, the extending portion or seat 42 is folded and wrapped around the folded assemblage and the collapsed chair can then be placed in a box or other suitable container.

Although but one specific embodiment of my invention has been herein shown and described, it will be understood that numerous details may be altered or omitted without departing from the spirit of the invention.

What I claim is:

1. A device of the class described including a pair of side frames, a folding base having pivotal connection with the said frames, brace members removably engaged with the base and pivotally connected with the side frames, U-shaped members at one end of the base to receive the lower ends of the side frames, pivoted hangers carried by said U-shaped members, securing pegs passing thru the hangers and base to penetrate the earth's surface and retain the base against movement and a strip of flexible material connected to said side frames to form a back and seat for said device.

2. A device of the class described comprising a folding base, a pair of adjustable side frames of cylindrical contour pivotally mounted on said base, brace members removably engaged with the base and pivotally connected with said frames, a spacing member on said frames, said spacing member comprising a metal sheet formed into a U-shaped body, cylindrical receptacles in the ends of said body supported on the upper ends of the side frames, said body having an aperture at each end, a spring clip depending from each receptacle and extending over said aperture adapted to hold the arm of a shade in said aperture, a strip of flexible material connected to and between said side frames to form a back, and an extending portion of said strip forming a seat, said spacing member when removed adapted to hold a folded shade.

CARL CZYGAN.