J. V. GRÓLLE.

COMBINED BACK REST AND TABLE.

APPLICATION FILED AUG. 9, 1918.

1,302,155.

Patented Apr. 29, 1919.

2 SHEETS—SHEET 1.

Fig. 1.

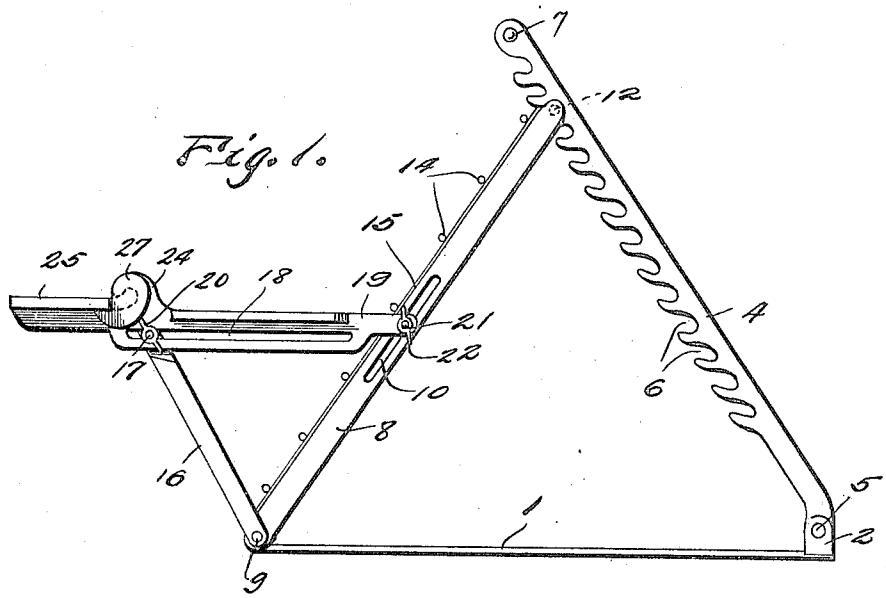
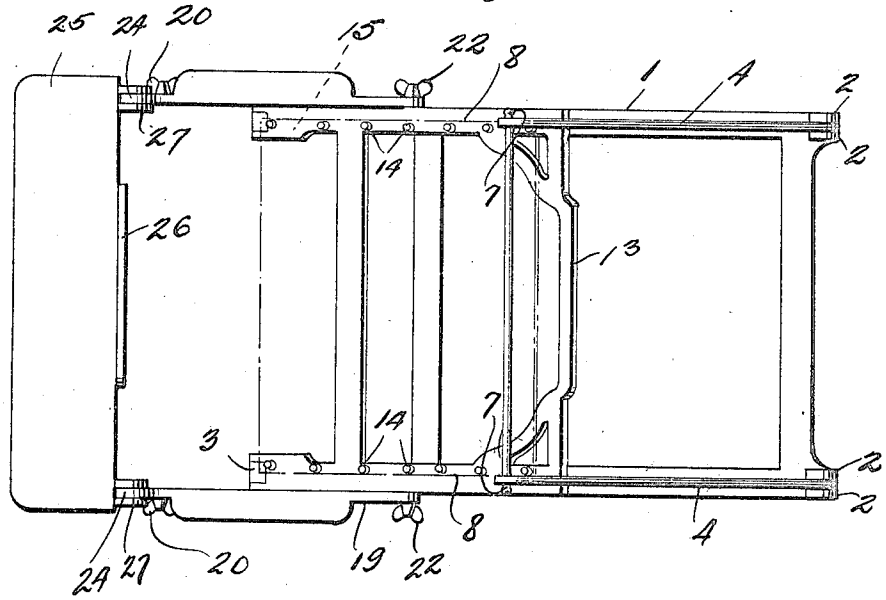


Fig. 2.



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 3.

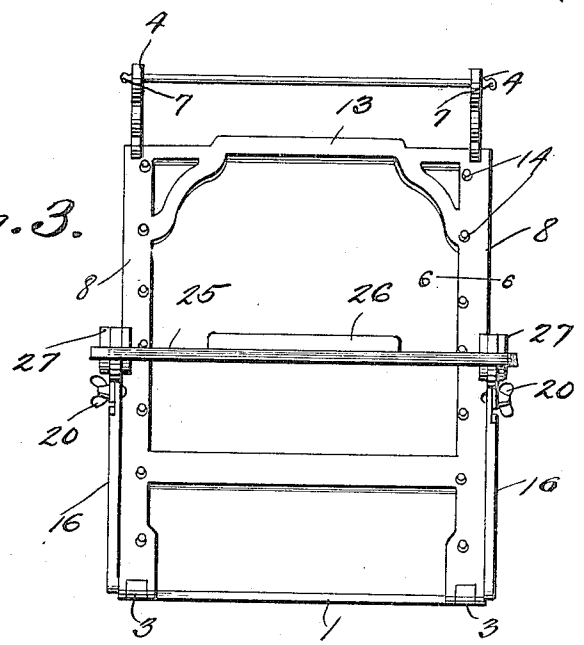


Fig. 4.

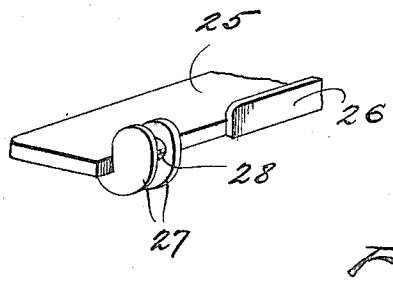


Fig. 5

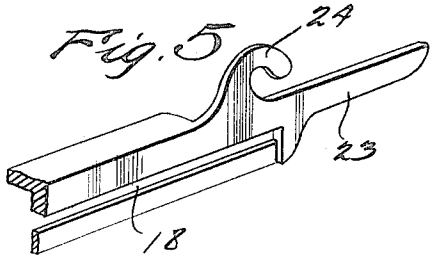
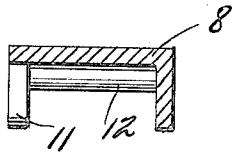


Fig. 6.



WITNESSES

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UNITED STATES PATENT OFFICE.

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COMBINED BACK-REST AND TABLE.

1,302,155. Specification of Letters Patent. Patented Apr. 29, 1919.

Application filed August 9, 1918. Serial No. 249,136.

To all whom it may concern:

Be it known that I, JOSEPH V. GROLLE, a citizen of the United States, residing at Sunnyvale, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Combined Back-Rests and Tables, of which the following is a specification.

My invention relates to new and useful improvements in a combined back rest and table.

The principal object of the invention is the construction of a device of this character which is adjustable to various angles.

Another object is the construction in such a manner that all parts may be collapsed so that they may be stored in a small space or carried from place to place.

A still further object is the provision of a table which is detachable from the back rest.

With these and other objects in view my invention consists of the novel details of construction and arrangement of parts as will be more clearly understood from the following specification and drawings in which:—

Figure 1 is a side elevation.

Fig. 2 is a top plan.

Fig. 3 is a front elevation.

Fig. 4 is a detail perspective of one end of the detachable table.

Fig. 5 is a detail perspective of the end of the table supporting arm, and

Fig. 6 is a transverse section on the line 6—6 of Fig. 3.

In the drawings the numeral 1 indicates a base frame having upstanding lugs 2 formed on each corner of the rear end and lugs 3 formed on each corner of the forward end. Bars 4 are pivotally connected to the lugs 2 at 5 and are provided on the front edge with a plurality of spaced notches 6 which are of the shape shown and for the purpose as will be presently described. A knob 7 is secured on the outer face of each of the bars 4 at the top end thereof whereby the bars may be grasped for swinging upon the pivot.

Angle bars 8 are pivotally connected to the forward lugs 3 by means of a pin 9 and are provided in their sides with elongated openings 10 the purpose of which will be presently described. In cross section the angle bars 8 are of the shape illustrated in Fig. 6 of the drawings and at the upper ends are provided with a flange 11. The upper edge of the angle bars is bifurcated and a cross rod 12 is received across a bifurcation and supported in the side of the angle bar and the flange 11. The cross pins or rods 12 are adapted to be received in the notches 6 of the bars 4 as is more particularly illustrated in Figs. 1 and 3 of the drawings. The bars 8 are connected at the top end by means of the cross bars 13 and if desired the bars 4 might also be connected by a cross bar or rod.

A plurality of buttons or knobs 14 are secured to the front edges of the bars 8 and are adapted to pass through eyes or openings in the fabric 15 which is stretched across between the bars 8 as is more particularly illustrated by dotted lines in Fig. 2 of the drawings. The buttons or knobs 14 may be of any desired type and the fabric may be of any desired material.

Bars 16 are pivotally connected to the lower end of the bars 8 by means of the pin 9 and the bars 16 are provided on their outer faces with a threaded stud 17 which is adapted to pass through an elongated opening 18 formed in an arm 19. A thumb nut 20 is received on the threaded stud 17 and engages the outer face of the arm as is more particularly illustrated in Figs. 1 and 2 of the drawings. The rear end of the arm overlies the bars 8 and a bolt 21 passes through the elongated opening 10 and through the end of the arm to receive a thumb nut 22 whereby the end of the arm is connected to the bar.

The forward end of the arms is provided with an extension indicated at 23 and a hook member 24 is formed on the extension, in the position, shown, for the purpose as will be presently described.

My detachable table is indicated at 25 and has an upstanding flange 26 formed on the rear edge thereof. The flange 26 terminates a distance from each end of the table 25 and spaced lugs 27 are formed adjacent each end of the table on the rear edge, and have a pin 28 extending transversely thereof. The pin 28 is adapted to be received beneath the hook member 24 and the table will rest upon the extensions 23 of the arms.

From the above detailed description it will be found that I have provided a combined back rest and table which is adjustable to various angles and which may be collapsed to be conveniently carried from place to

place or which may be stored in a small space. When in position ready for use the parts are in the various positions more particularly illustrated in Fig. 1 of the drawings and it will be understood that the persons using the same will rest his or her back upon the fabric 15 secured to the bars 8. The table 25 may be used as a book rest or for holding other articles for eating or other purposes. The back rest may be adjusted to various angles by merely raising the bars 4, through means of the knobs 7 and the pins 12 may be adjusted into various notches 6. Of course it will be understood that the bars 16 are also adjustable with relation to the arm 19 by releasing the thumb screw 17 and adjusting the threaded studs in the elongated openings 18. The arm 19 may be adjusted with respect to the bars 8 by releasing the thumb nut 22 so that the threaded bolt may be adjusted in the elongated opening 10.

The table 25 may be easily detached from the arm 5 by slightly raising the forward end so that the pins 28 may be withdrawn from beneath the hook member 24. When the table is to be replaced the pins are engaged beneath the hook 24 and when lowered the table will rest upon the extension 23 as previously described.

It will be understood that two bars 4 are used, and that I also use two of the bars 8, two of the bars 16, and two arms 19 to make up the completed structure. The various parts of my invention are preferably constructed of some metal such as aluminum although it will be understood it might equally as well be constructed of various other materials and I do not desire to limit myself to the use of any particular material or any particular size.

The foregoing description and the drawings have reference to what may be considered the preferred, or approved form of my invention. It is to be understood that I may make such changes of construction and arrangement and combination of parts, material, dimensions, et cetera, as may prove expedient in the scope of the appended claims.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is:—

1. In combination with a back rest, arms secured to the back rest, extensions formed on the arms, hooks formed on the arms adjacent the extensions, and a table received on the extensions, said table having pins secured to and spaced from one edge adapted to engage beneath the hooks on the arms.

2. In combination with a back rest having arms connected thereto, hooks formed on the top of the arms, and a table, said table provided with spaced lugs, and a pin supported between the lugs and adapted to engage the hooks on the arms.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH V. GROLLE.

Witnesses:
MICHAEL J. WRIGHT,
RUBY E. LEWIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."