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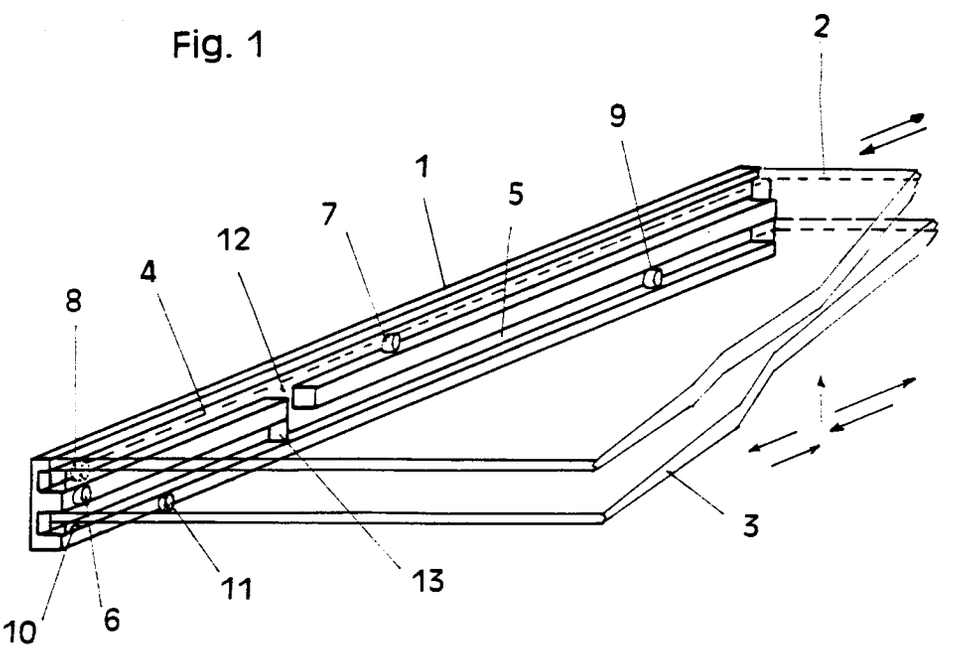
(54) Arrangements for extendable tables.

(57) This invention consists of an arrangement for extendable tables in which the sides have runners (4, 5) and with at least one of the planes being moveable, with the upper plane (2) which is moveable to one side, having two pairs of rollers (7,8) located at the centre and end of this to function as a stop, and a lower plane (3) with rollers (9) located at 1/7 from its ends, the lower plane of which can be manually raised after movement of both up to the upper plane by the channel (12) with there being an extra support for the upper plane provided by a fixed roller (6), with stops fitted at the end of the lower runner (10) on the lower runner (13) lined up with a communication channel between both runners.

Fig. 1



EP 0 682 891 A2

The sector of the technique for this invention is that of extending tables and particularly the ones which comprise a moving upper plane which gives rise to an arrangement with a different plane as a continuation of this.

Statement of the prior state of the art. There is utility model no. 1017370-Y by this same applicant, for an arrangement for the folding/unfolding of the upper plane of a table, formed of a moving upper plane which allows the outer end of the previously hidden plane to be lifted, by means of a wedge profile runner.

Also 1025943-Y for an arrangement for prolonging the opaque plane of a table, this one fixed, based on the use of a moving runner which can be raised after it has reached one end of its run and in said position it can be laid out as a continuation of and at the same height as the main unmoving one.

The aim of this invention is to have a layout of extending tables which is formed of a moving upper plane, only movable in one direction as far as certain stops, by means of pairs of rollers inserted in the frame of the plane, and a lower plane that is also mobile, fitted with a pair of rollers, that can reach the upper plane, one end by manual movement and the other end by movement of the roller by communication between the lower and upper guides.

In order to make the following explanation clearer a sheet of drawings is enclosed which represents the essence of this invention in two figures.

Figure 1 shows a view of the table in a perspective diagram.

Figure 2 shows a partial view of the frame in profile.

In said figures 1 represents the lateral structure, 2 the upper plane moveable to one side, 3 the lower plane of the same length as the side structure, and 4 the upper runner, 5 the lower runner, 6 being the roller to support the lower plane when this is installed on the upper runner, with 7 being the central roller of the upper plane, 8 the end roller of the upper plane, 9 the roller of the lower plane, 10 the stop of the lower channel, 11 the lower sliding roller, 12 the channel or portion between the two runners and 13 the stop of the lower runner lined up with channel 12, located at roughly 1/3 of the way along its length.

The table we are now dealing with functions in the following way: when folded, both planes 2 and 3, which have substantially the same length as the lateral structure, are placed on top of the other. The upper one can be moved along runner 4, up to two extreme positions: moved to one end or moved to the other end. It has two pairs of rollers. In each one of both positions, rollers 7 and 8 constitute the stops of said movement, with the guide having at its end a limitation for this movement as a stop. The lower plane is fitted with one sole pair of rollers fitted at roughly 1/7 of the way along its length. The lower channel will not allow the end not fitted with rollers on the lower plane 3 to drop. In its folded position, the lower plane rests on a sliding roller 11. The unfolding of the table takes place in the following way. First of all the upper plane has to move to its stop. Then the lower one moves in the same direction, this fact making it stick out on the other side, far enough to determine its moving over the roller 6 which will act as a support in this position. Traction on this will determine the coincidence of the roller 9 of the lower plane on the stop 13 lined up with channel 12, which by tilting has to rise up to the upper plane, slight pressure being enough for it to fit stably as a continuation of the upper plane previously moved, giving the configuration of a large flat table with the whole plane thus doubled on the same level.

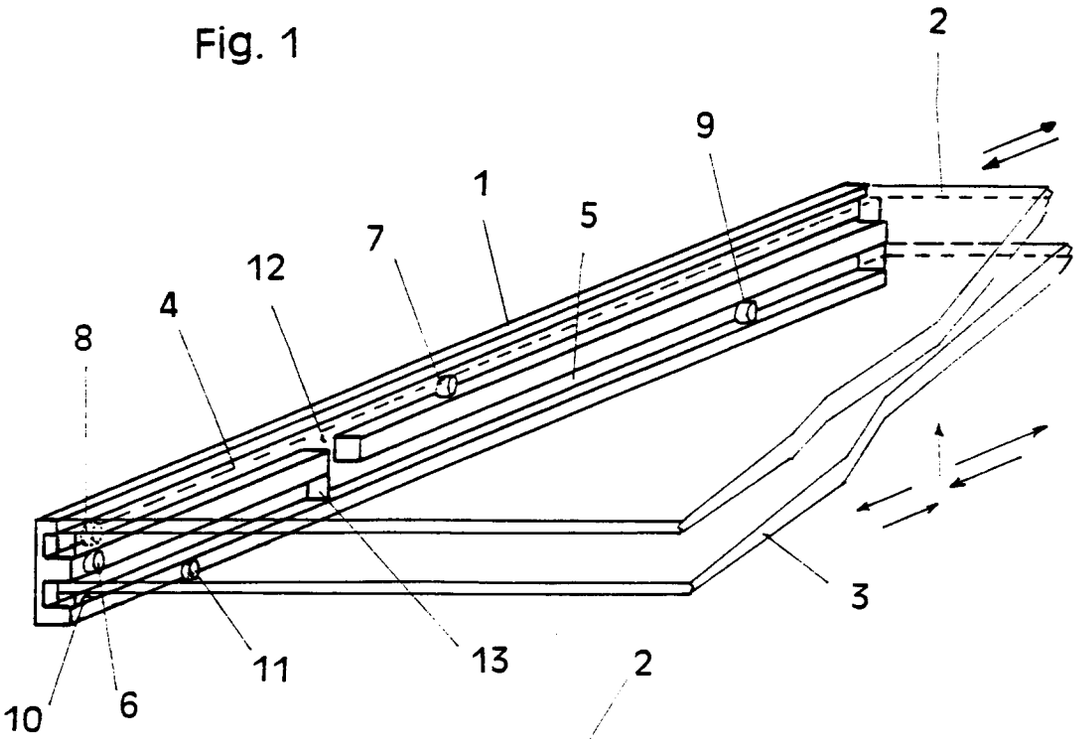
This can be used in industrial applications in the sphere of the furniture industry.

Claims

1. Arrangement for extending tables, of the type that has a structure made up of the sides (1) of the table and with runners along which at least one of the planes can move, characterized in that the upper plane (2) has two pairs of rollers (7, 8) and can move horizontally along the upper runner (4) only to one side, these rollers being laid out roughly in the centre and at one end of said plane, determining the stop of its sphere of movement, and the lower plane (3) with a pair of rollers (9) located at roughly 1/7 from the end of this plane which can be moved along said rollers, along the lower guide (5) and rise up to the upper guide (4) along channel (12) arranged out as continuation of a stop (13) with the lower plane (3) being able to be lifted by hand by its other end after moving roller (9) to the end of the lower runner (5), with the fixed roller (6) being its support in the upper position.

2. Arrangement for extending tables, according to claim one, characterized in that the side structures (1) have stops or limits for the movement of the lower plane laid out on the end (10) of the lower runner (5) and on the central part of the same at a distance roughly 1/3 along its length, a vertical stop (13) aligned with the channel (12) for said runners to communicate.

Fig. 1



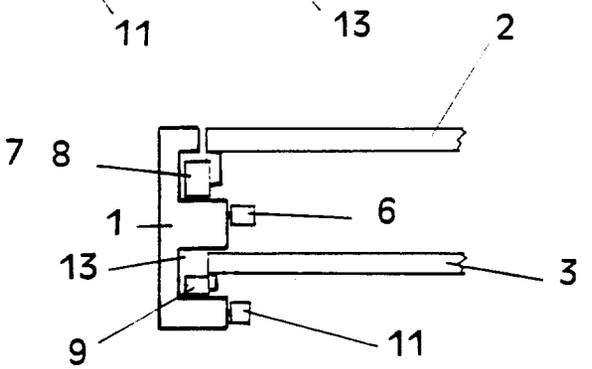


Fig. 2