

1,354,894.

A. DELKIN.
LOOSE LEAF DEVICE.
APPLICATION FILED SEPT. 11, 1919.

Patented Oct. 5, 1920.

Fig. 1

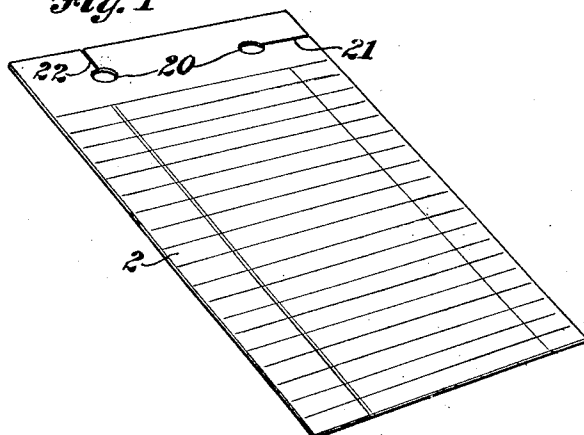


Fig. 2

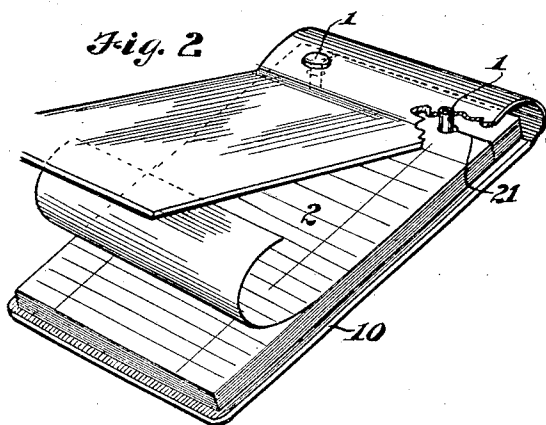
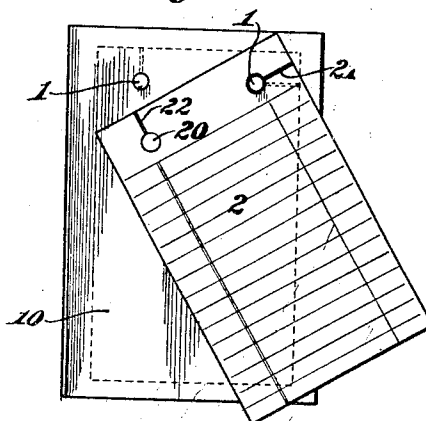


Fig. 3



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LOOSE-LEAF DEVICE.

1,354,894.

Specification of Letters Patent.

Patented Oct. 5, 1920.

Application filed September 11, 1919. Serial No. 323,135.

To all whom it may concern:

Be it known that I, ANTON DELKIN, a citizen of the United States, and resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Loose-Leaf Devices, of which the following is a specification.

My invention relates to loose leaf devices and particularly to a construction which permits ready insertion and removal of a leaf at any time desired, and this from a point in the middle of a pile thereof, without having to remove those which are above it.

The object of my invention has been to produce a loose leaf of such construction that it may be quickly attached to and detached from a holding device, in a convenient manner and without having to operate a releasing device such as is employed in connection with the majority of loose leaf holders. The invention is particularly adapted for such uses as may require a transfer of sheets from one point to another, and under conditions wherein it is desired to retain the sheets in an assembled form, so that they will not be lost.

The features of my invention which I deem to be new and upon which I desire patent protection, will be herein described and then particularly defined by the claims.

In the accompanying drawings I have shown loose leaf sheets constructed in accordance with my device, and one type of holder for the same. The particular construction of the holder employed, is immaterial, except that it should be one which has two suitably spaced posts, or pins, upon which the sheets are secured to hold them in place.

Figure 1 is a perspective, showing one of the loose leaves constructed in accordance with my invention.

Fig. 2 shows a holder having therein a set of these loose leaves.

Fig. 3 illustrates the manner of applying and removing the leaves from the holder.

The type of holder for which the loose leaves, constructed in accordance with my invention, are intended, is one which has two suitably spaced posts as 1. The construction of the holder aside from this, may be anything desired and found suitable. The leaves 2 are provided near one end with two holes 20, of such size and so

spaced, as to fit over the pins 1. These holes are located adjacent one end edge of the sheet, and at least one of them, also adjacent one of the side edges. One of these holes 20, is connected with the end edge of the sheet by a cut 22, while the other is connected with the side edge of the sheet by a cut 21.

It is evident that the sheet may be placed upon one of these pins by laterally springing the paper at the sides of the cuts 21 and 22, as the case may be, so that the posts may pass between them into the hole 20. In placing a sheet in place on the pins, the hole 20 which is connected with the edge of the sheet by the cut 21, the same being the cut which in alinement with the two holes 20, is first placed upon its pin. The sheet while doing this is in the position shown by the top sheet in Fig. 3. When in this position if it be swung upon the pin to which it has been secured, the end edge of the sheet will be brought to the other holding pin 1, in such position that the springing of the side walls of the cut 22, will permit insertion of the pin into the other hole 20.

When so secured, the sheet is securely held. A pull upon the sheets in any direction is firmly resisted by one or the other of the pins. While it is conceivable that a pull upon the sheet at one of the pins, in line with the direction of the cut which it is connected with the edge of the sheet, might separate the walls of the cut so as to permit withdrawal of the pin, it is not conceivable that any pull to which the sheet would normally be subjected, would remove it from the pin, as the direction of this pull would be at right angles to the direction of said one of the cuts 21 or 22 as the case may be. The cuts 21 and 22, being at right angles to each other, the walls of one or the other of the holes 20 will securely resist removal of the sheet under a direct pull. In consequence, the sheets are securely held in place.

At the same time, by slightly separating the sheets at the point it is desired, to insert or remove a sheet, the side walls of the communicating cut 22 which extends to the side edge of the sheet, may be separated, so as to place the sheet upon this pin, and then by swinging the sheet upon said pin as a pivot, the side walls of the other slit 22 may be separated so as to pass the other

securing pin 1. When the superposed sheets are brought down upon the sheet just inserted, it is securely held in place and cannot be removed without tearing it, 5 excepting by a reversal of the process employed and just described for inserting it in place.

If the material of which the loose leaf be composed be cardboard, or something of 10 considerable thickness and stiffness, it may be permissible to remove a small portion of the material in making the cut 21 and 22. If, however, the sheets be composed of paper of ordinary thickness, it is only neces- 15 sary to sever the paper at this point without the removal of any part of the stock.

I have found that a sheet of this sort may be very conveniently removed from or placed in a holder of this sort and that 20 paper of any substantial thickness may be sufficiently well held to answer all ordinary purposes. In many transactions about manufacturing and commercial establishments, it is often desirable to transfer sheets 25 from one place to another and the type of sheet herein described, when used with a holder having two suitably spaced pins, en-

ables this to be done and yet to retain the sheets at all times in a convenient package. It is also unnecessary to remove any other 30 sheet when placing or removing a sheet. The entire device is of simple and cheap construction and more convenient to use than any other holder of which I am aware.

I claim—

1. A loose-leaf sheet having at one end 35 means for securing it upon a holder comprising two pin-receiving holes placed adjacent to opposite side edges, one hole being connected with its adjacent side edge by a 40 cut and the other being connected with the end edge by a cut, said latter cut being substantially perpendicular to a line connecting the holes.

2. A loose-leaf sheet having two pin re- 45 ceiving holes each placed close to its respective one of two adjacent side edges and connected each with its respective side by a slit which extends from said hole in a di- 50 rection which is substantially perpendicular to said side.

Signed at Seattle, Washington, this 5th day of September, 1919.

ANTON DELKIN.