(No Model.)

E. P. DONNELL.

GAGE FOR BOOK MAKER'S TABLE SHEARS.

No. 265,036. Patented Sept. 26, 1882.

Fig. 1

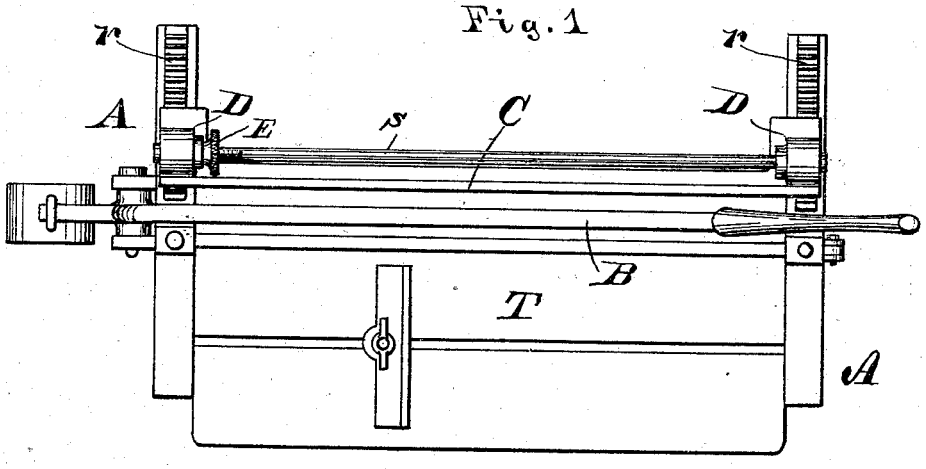


Fig. 2

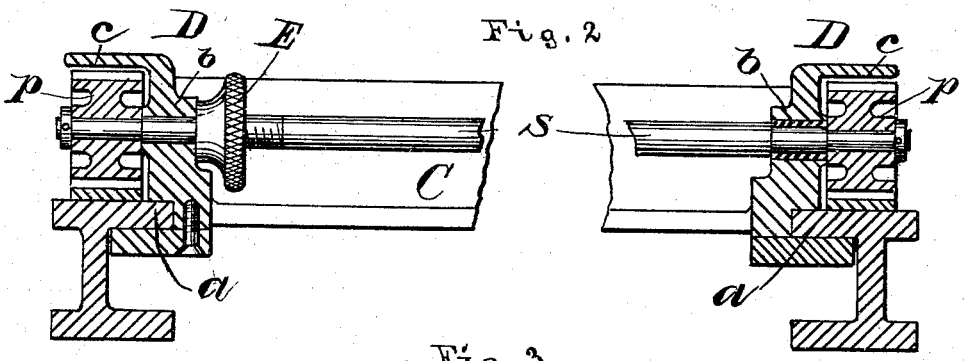
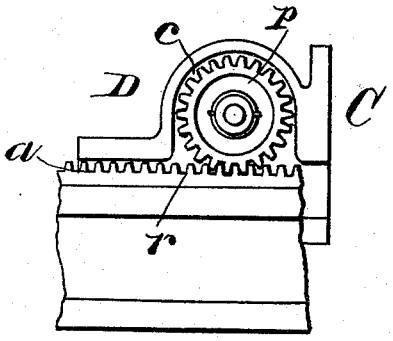


Fig. 3



Attest

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EDWARD P. DONNELL, OF CHICAGO, ILLINOIS.

GAGE FOR BOOK-MAKERS' TABLE-SHEARS.

SPECIFICATION forming part of Letters Patent No. 265,036, dated September 26, 1882.

Application filed May 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWARD P. DONNELL, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Gages for Book-Makers' Table-Shears, of which the following is a specification.

My invention relates to improvements in gages for book-makers' table-shears, &c.

The object of my invention is to provide a gage which may be readily adjusted to and secured at any desired point, the gage always moving parallel with the cutter. I attain this object by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a plan view of a table-shears to which my improved gage is applied. Fig. 2 is an enlarged sectional view of the gage, and Fig. 3 an end view of the same.

Similar letters refer to similar parts throughout the several views.

In the said drawings, A A represent the main frame of the shears, B the cutter or knife, and T the table, all arranged in the ordinary manner. C is my improved gage, which is provided with the head D at each end, which slides on the ways *a a* on the main frame A A. Each of the heads D is provided with a recess, *c*, in which runs a pinion, *p*, secured on the end of a shaft, S, which runs in bearings *b b* on the heads D. The pinions *p p* in the heads D D mesh with racks *r r*, secured on the ways *a a* on the main frame A A, the teeth in one of which are coincident with those in the other. The shaft S, near one of the bearings *b b*, is screw-threaded for a short distance, and is provided with a hand-screw, E, which, when desired, may be screwed up against the bearing *b*, holding the shaft S from turning.

The operation is very simple. To adjust the gage to any desired distance from the cutter or knife it is only necessary to push the gage out to the required point. The pinions *p p*, being secured rigidly to each end of the shaft S and meshing with the coincident racks *r r*, keep the gage at all times parallel with the knife. To secure the gage at any point the hand-screw E is turned up against the bearing *b*, clamping the bearing firmly between the end of the pinion *p* and the said hand-screw E, and holding the shaft from turning and keeping the gage held securely at the desired point.

It will be seen that this gage is very simple and can be readily adjusted to and secured at any point, the gage always moving parallel to the knife B.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An adjustable gage, C, having shaft S, with pinions *p p* secured thereto and meshing with racks *r r*, in combination with hand-screw E on said shaft S, which screws against a bearing, *b*, for the purpose of holding the gage, substantially as described and shown.

2. The adjustable gage C, having heads D D, provided with the recesses *c c* and bearings *b b*, in combination with a shaft, S, pinions *p p*, racks *r r*, and hand-screw E, substantially as shown and described.

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

EDWARD P. DONNELL.

Witnesses:
FRANK JOHNSON,
CHAS. KRESSMAN.