

(Model.)

C. J. BAKER.

ALIGNER FOR TYPE WRITERS.

No. 282,253.

Patented July 31, 1883.

Fig 1

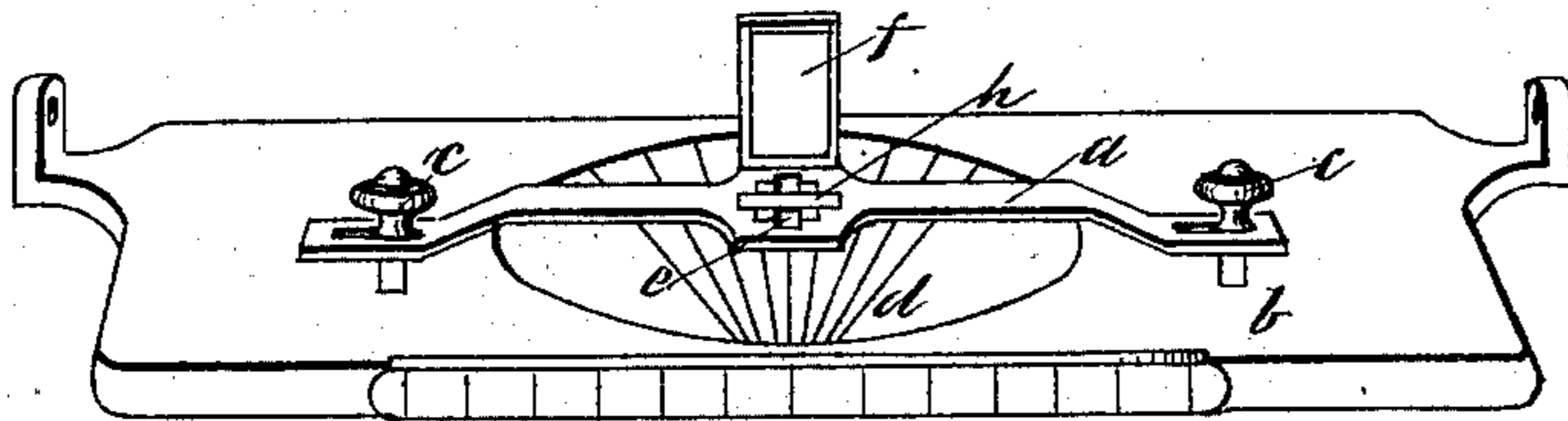


Fig 2

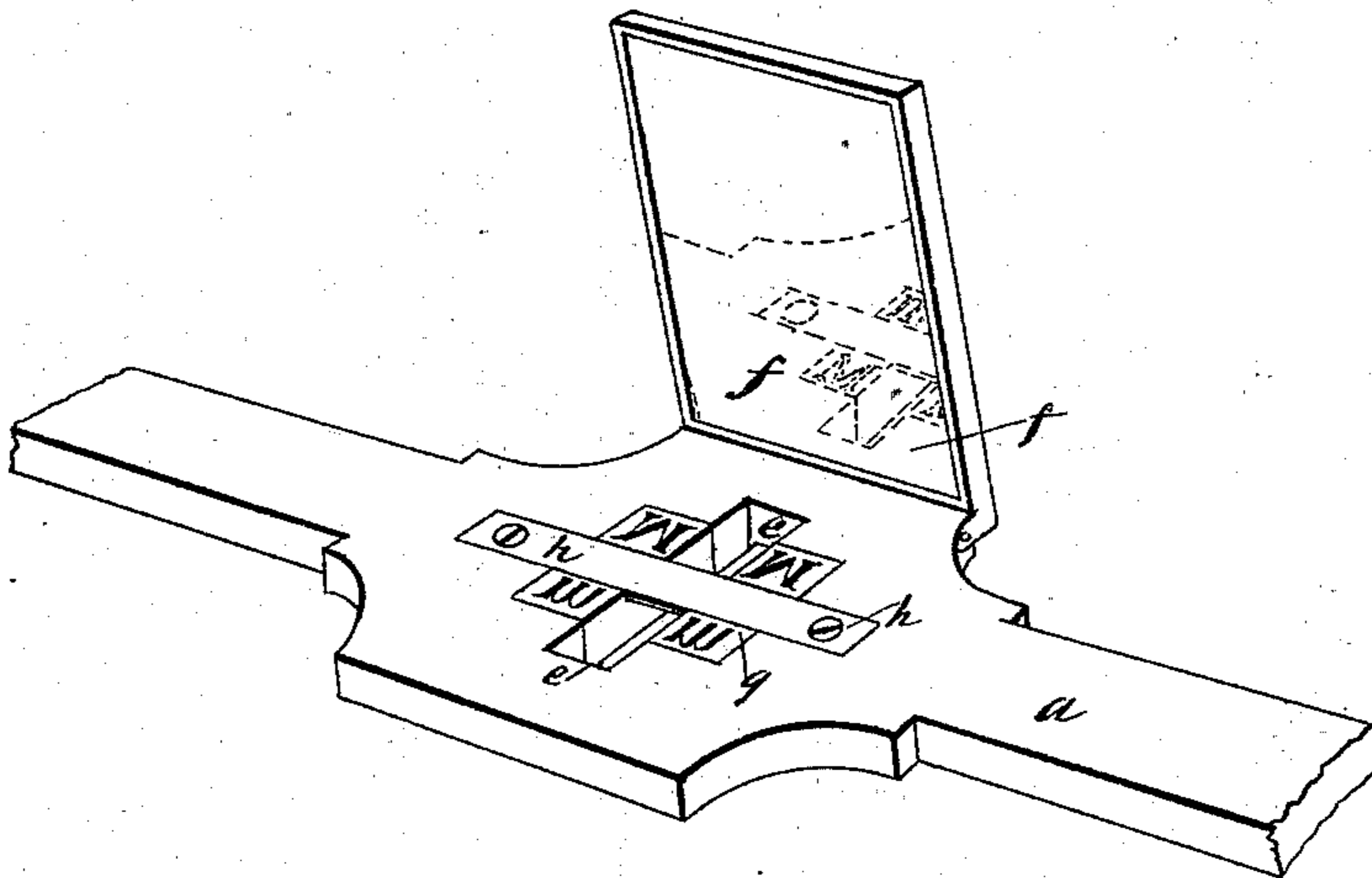
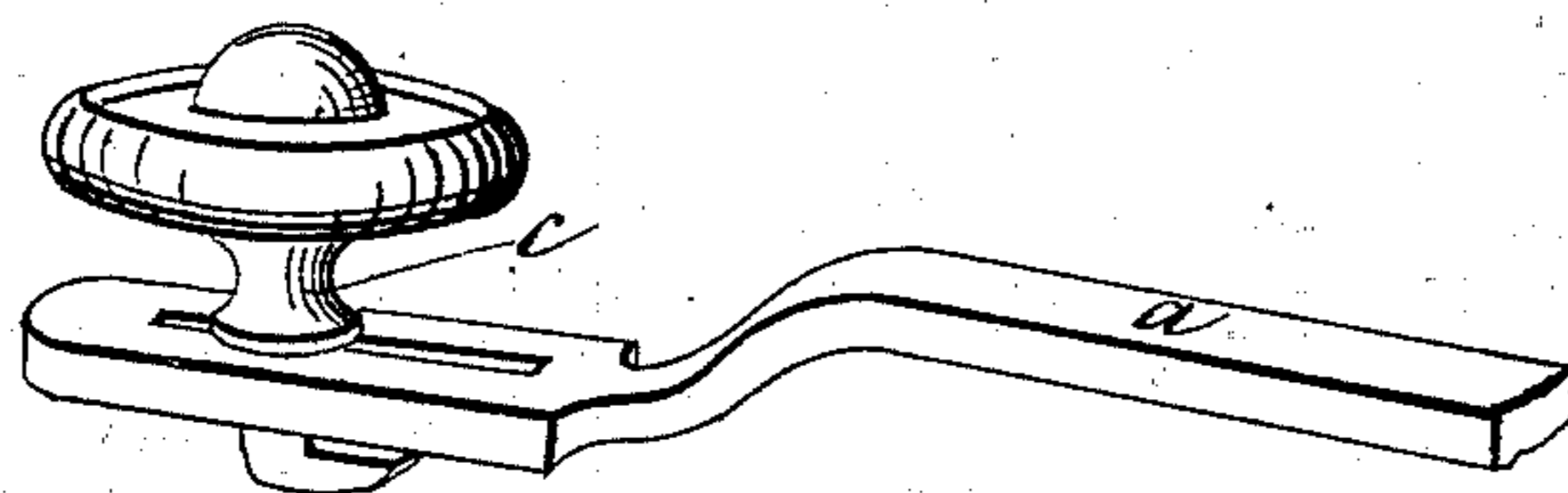


Fig 3



WITNESSES:

Chas. C. Howell,
C. Sedgwick

INVENTOR:

C. J. Baker

BY

Mum & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES J. BAKER, OF TOPEKA, KANSAS.

ALIGNER FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 282,253, dated July 31, 1883.

Application filed July 13, 1882. (Model.)

To all whom it may concern:

Be it known that I, CHARLES J. BAKER, of Topeka, in the county of Shawnee and State of Kansas, have invented a new and Improved

5 Aligner for Type-Writers, of which the following is a full, clear, and exact description.

This invention consists, in connection with a type-writer, of an aligner-bar having a slot and letters or type, substantially as hereinafter

10 more fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

15 Figure 1 is a perspective view of the top of a type-writer with my improved aligner applied to it. Fig. 2 is a perspective view of a part of the said improved aligner on an enlarged scale, and Fig. 3 is a perspective view

20 of another part of the said aligner.

A gage-bar, *a*, attached to the top *b* of the type-writer by hook-headed thumb-screws *c*, or any other approved means, and bridging over the type-basket *d*, so as to gage the type

25 when raised up to the point where they act on the paper, is provided with a slot, *e*, in which the type-faces are to be adjusted for alignment, and on the margins of said slot the gage is provided with two type-faces, *M m*, to be

30 used instead of the cross-lines heretofore employed for gages, by which to set the type to be aligned, said type-faces being of the same size and form as those to be aligned, and along with the said type-faces I have attached a mirror, *f*, which reflects the type in their true

35 position, and thus aids in the matter of showing when the type are properly adjusted. The blocks *g*, on which these type-faces are formed, are secured in a recess in the bar *a* by a thin

40 strip of steel ribbon, *h*, screwed down over

them and let in them and the bar flush with the surface.

The method of aligning the type by this device is as follows: A type is found by trial that will fairly strike the platen—the plane 45 where the letters are impressed on the paper. This type is then taken as the key to the series of type to be aligned. The aligner is then put on and adjusted by said type and clamped to the machine. The remaining arms are then 50 brought so that the type will similarly strike the plane of the platen. Said type are then adjusted all alike by setting them alike with respect to the letters on the aligner. Each type-writer arm works in a suitable chair, and 55 each chair is attached to the margin of a type-writer basket by means of a screw passing through said chair into the bed-plate of the machine. When said screw is loosened, the type-arm is free to describe an arc, either in a 60 vertical or horizontal direction, and also has a lateral motion, enabling the requisite adjustments to be made.

I have represented the letters *M m* as placed on either side of the plane of the type to be 65 aligned; but I do not mean to limit myself to that arrangement, for in some cases it may be desirable to place them above and below such plane.

Having thus fully described my invention, I 70 claim as new and desire to secure by Letters Patent—

The combination, with the aligner-bar *a*, attached to a type-writer, and having slot *e*, as described, of the type *M m*, substantially as 75 specified.

CHARLES J. BAKER.

Witnesses:

EUGENE E. BACON,
S. F. DAVISON.