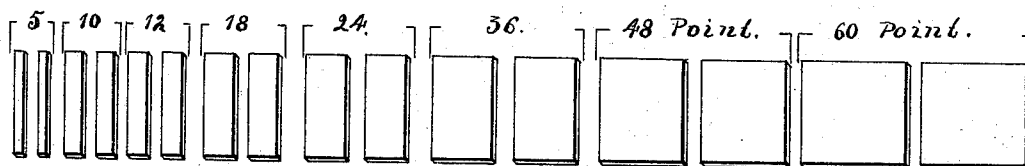


(No Model.)

G. W. SHERER.
TYPE LINE JUSTIFIER.

No. 555,907.

Patented Mar. 3, 1896.



Witnesses:
Alue M. Lorrain
E. Behel.

Inventor:
George W. Sherer.
By A. O. Behel.
Atty.

UNITED STATES PATENT OFFICE.

GEORGE W. SHERER, OF ROCKFORD, ILLINOIS, ASSIGNOR OF ONE-HALF TO
ADELBERT F. JUDD, OF SAME PLACE.

TYPE-LINE JUSTIFIER.

SPECIFICATION forming part of Letters Patent No. 555,907, dated March 3, 1896.

Application filed November 30, 1895. Serial No. 570,714. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. SHERER, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Sheet-Metal Type-Line Justifiers, of which the following is a specification.

My invention relates to an improved font of justifying-spaces for type; and it consists of a series of thin sheet-metal spaces of various sizes bodywise, according to the point system, and of uniform thickness or size runningwise.

The accompanying drawing shows isometrical representations of series of different-size line-spaces which constitute a font.

With every font of type there are spaces which are of uniform size bodywise, but vary in size runningwise from the "five-em" or "hair-space" to the three-em quad.

In composing type it frequently happens that the line cannot be justified by any of the font-spaces or a combination of such spaces, and in such event cardboard is usually resorted to as a justifying medium. This is particularly true of advertising matter and display-lines, as it rarely ever happens that the lines, and particularly display-lines, make an accurate fit in the composing-stick. These cardboard spaces, or if leads are used, as they sometimes are, must be cut to the proper size by the type-setter, and their use is objectionable in that it not only takes time to make these spaces, but the spaces after being used once are as a rule thrown aside. Now while the cardboard spaces when properly shaped temporarily answer the purpose for which they were intended, they are more or less unreliable, owing to the fact that they are yielding, and hence do not hold the type solidly in place. Again, if the form be laid aside for

future use the lye-bath to which the type must be subjected before subsequent use dampens the cardboard spaces, and, causing them to swell, renders them useless and necessitates rejustifying before the form can be again used.

In the manufacture of type the width or bodywise is made according to the point system, the body of the type being known as so many points, as five, ten, twelve, eighteen, twenty-four, thirty-six, forty-eight, and sixty points, as shown in the drawing.

My improved spaces, which are made of sheet metal, preferably copper-plate, are also constructed on the point system bodywise, the spaces runningwise, however, all being of the same thickness. From this it will be seen when the lines cannot be justified by the ordinary spaces and leads or combinations of spaces that the filling in can be readily and quickly accomplished by the thin pliable spaces above described, which are as permanent when once in the frame as the type themselves.

My spaces are in fonts and correspond in size bodywise with their respective type. Hence with them it is a simple matter to justify and line without inconvenience or the loss of time.

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

A font of justifying-spaces, consisting of a series of thin sheet-metal spaces of various sizes, the size of the spaces being the same runningwise but varying bodywise according to the point system.

GEORGE W. SHERER.

Witnesses:

A. O. BEHEL,
E. BEHEL.