

(No Model.)

3 Sheets—Sheet 1.

H. BYXBE.
TYPE CASE.

No. 602,631.

Patented Apr. 19, 1898.

Fig. 1..

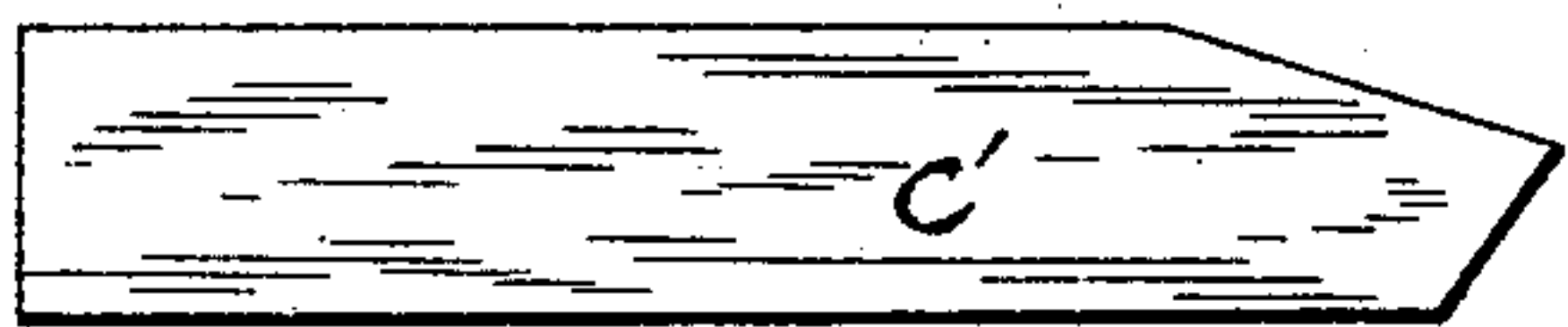
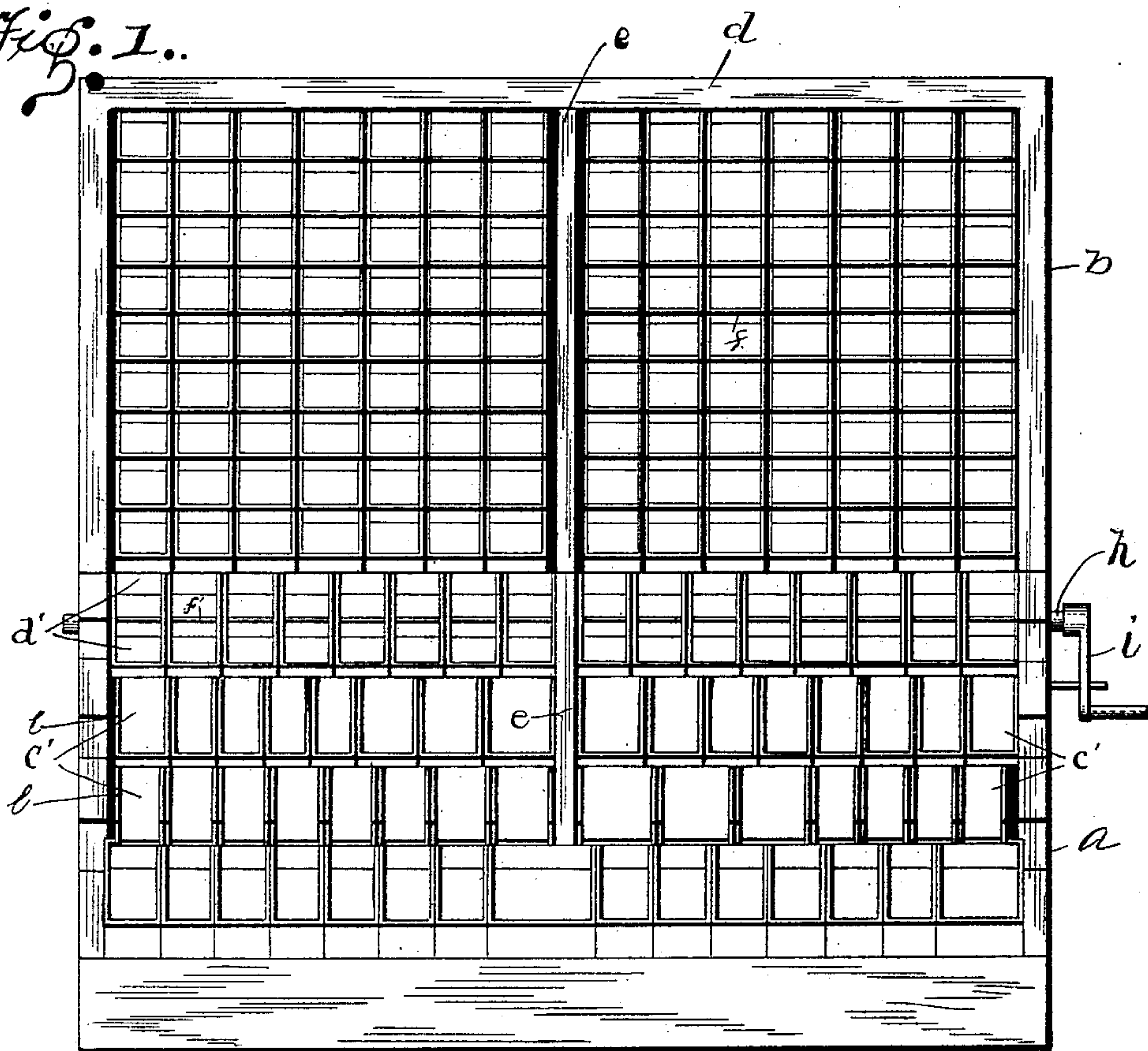


Fig. 6.

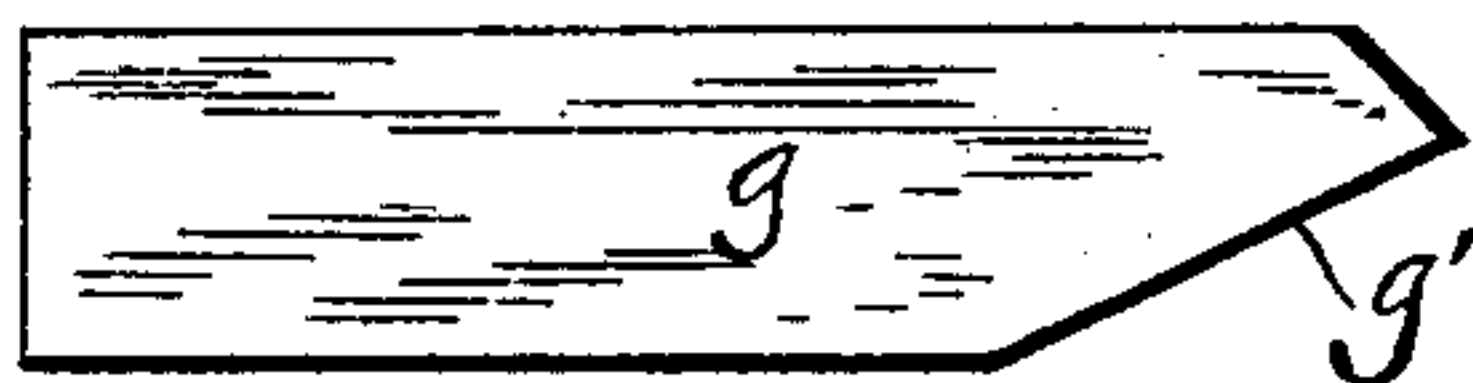


Fig. 8.

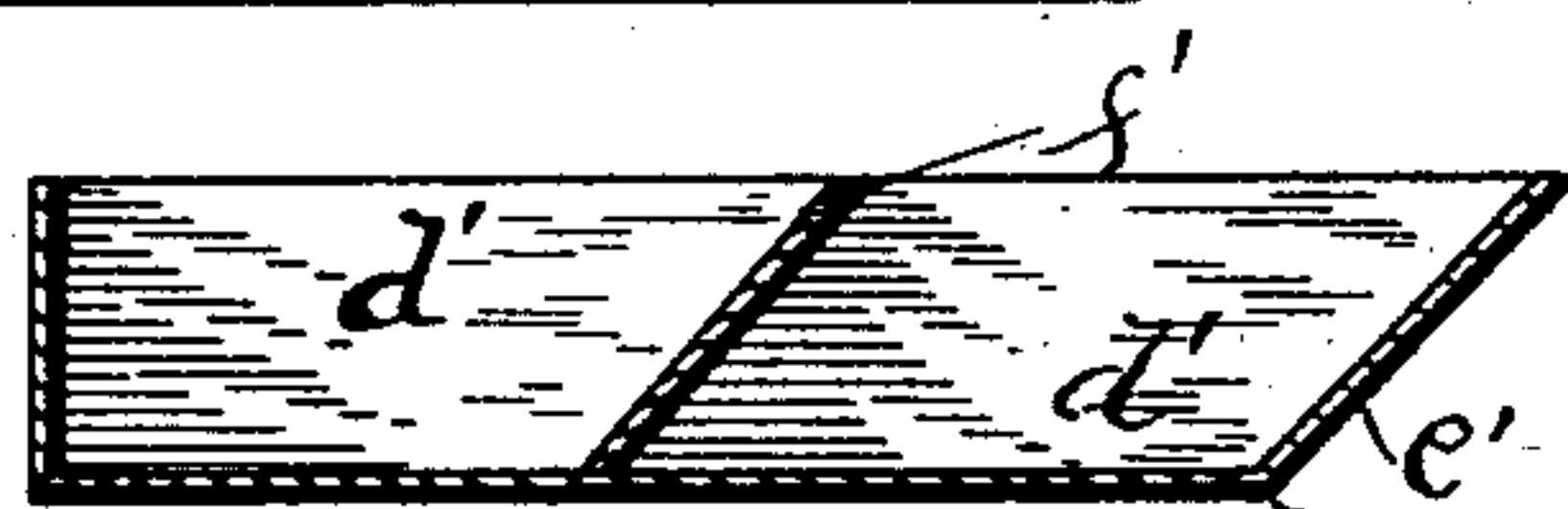


Fig. 7.

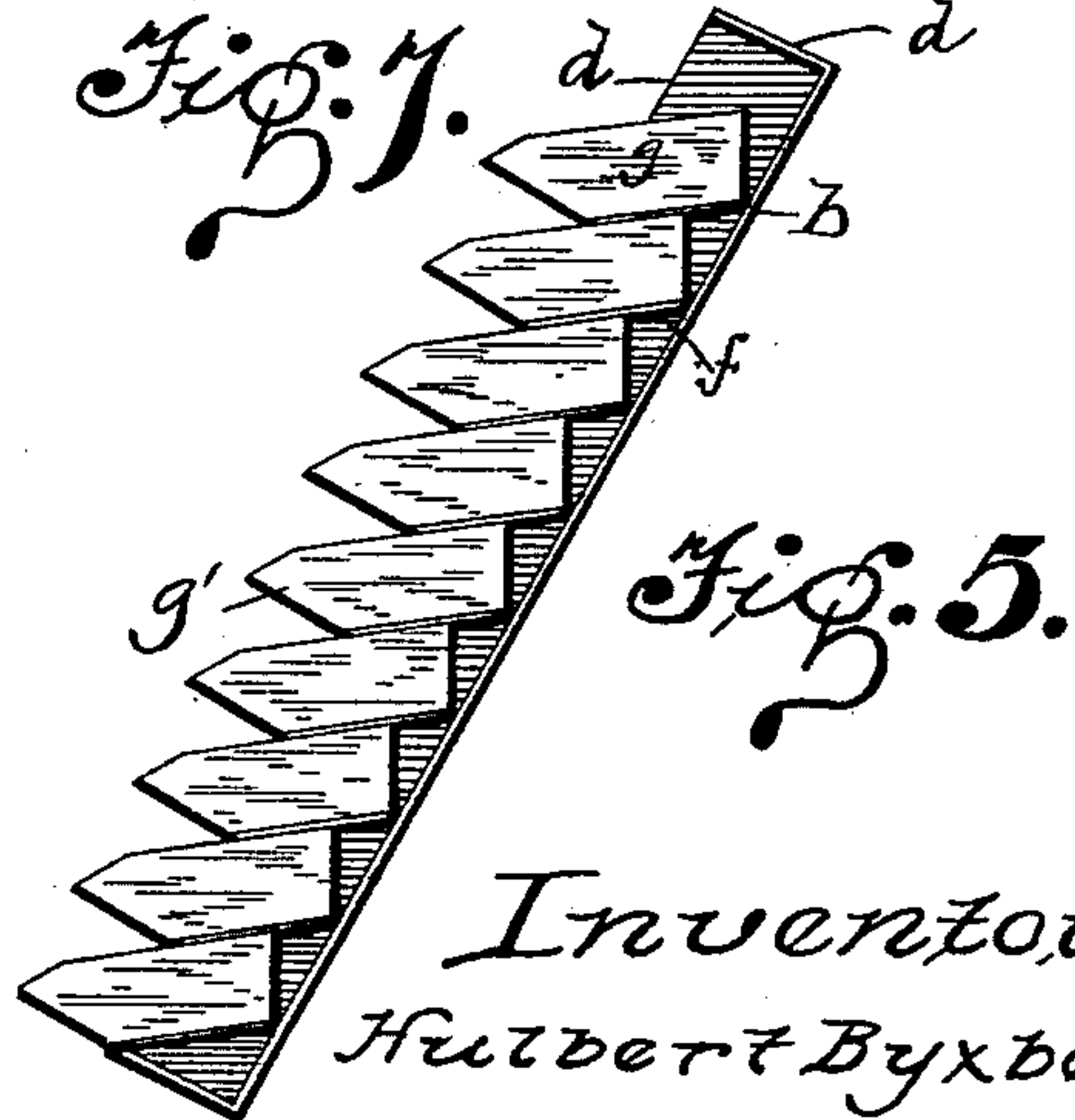


Fig. 5.

Witnesses:-

A. R. Appleman
A. G. Heinle

Inventor:
Hubert Byxbe.

By Henry C. Evert Atty.

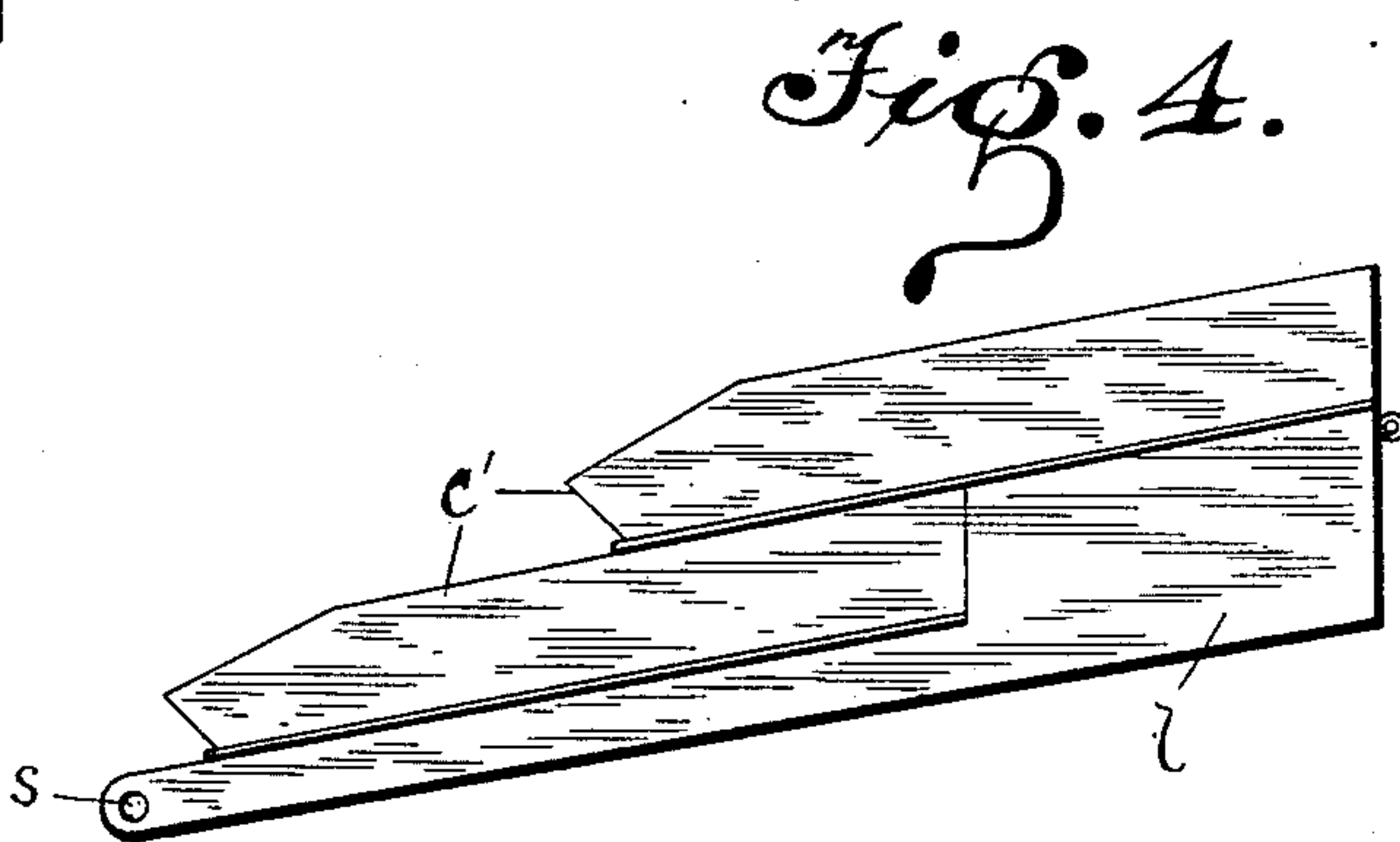
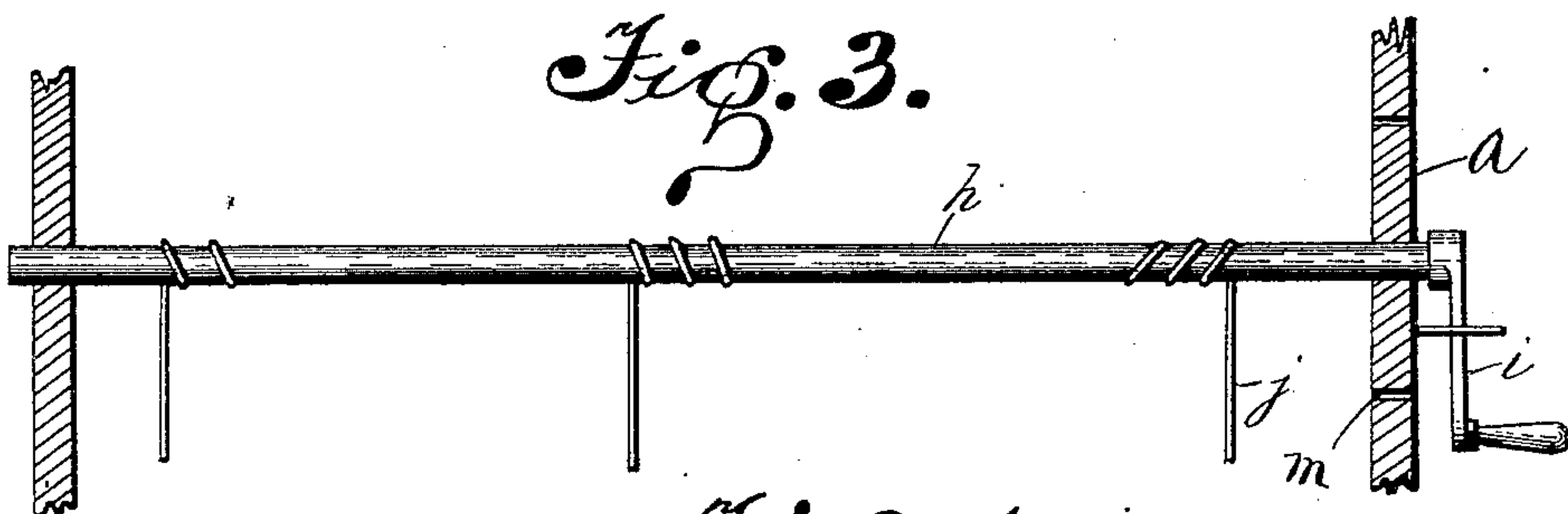
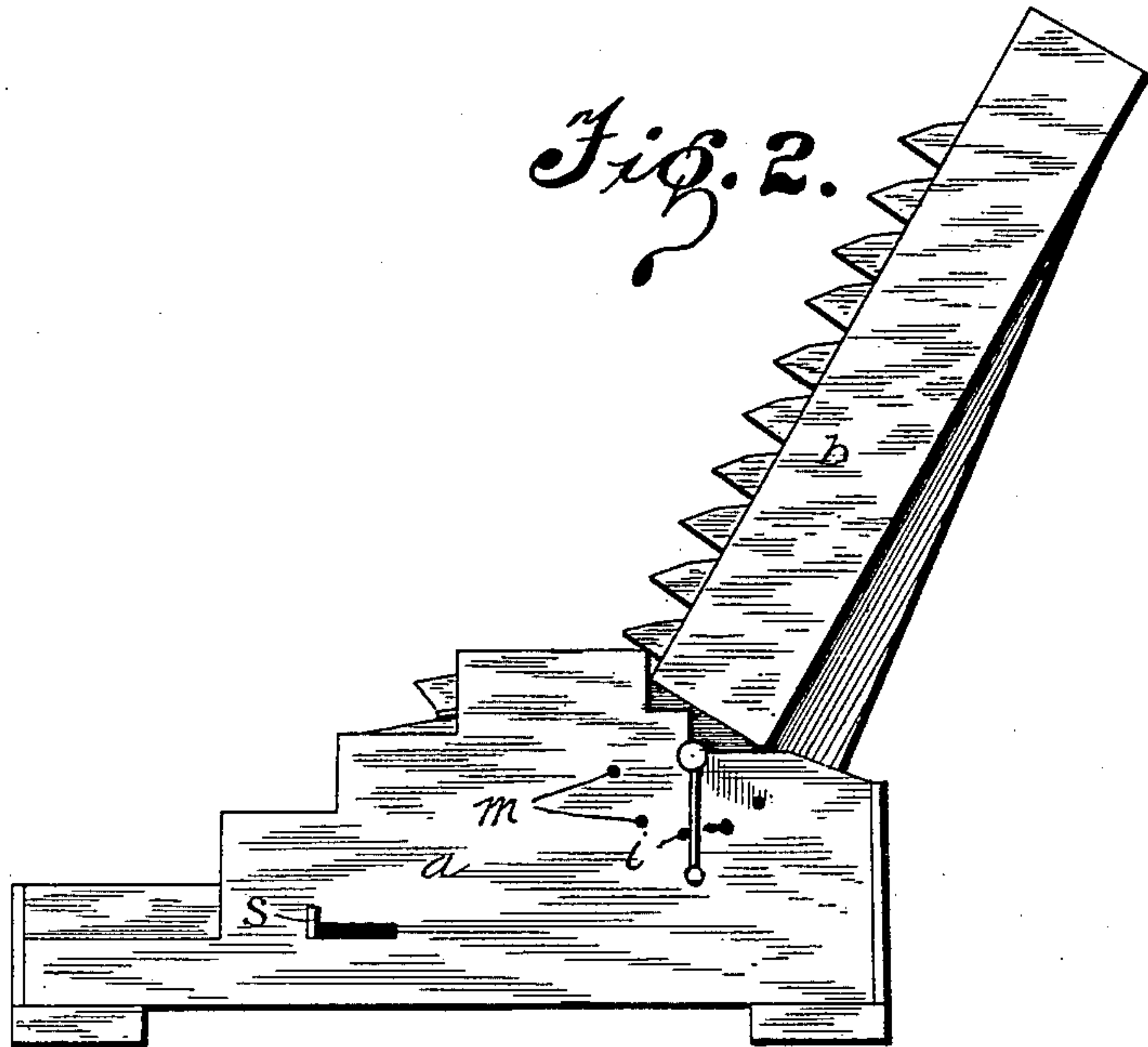
(No Model.)

3 Sheets—Sheet 2.

H. BYXBE.
TYPE CASE.

No. 602,631.

Patented Apr. 19, 1898.



Witnesses:

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Inventor:
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(No Model.)

3 Sheets—Sheet 3.

H. BYXBE.
TYPE CASE.

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Patented Apr. 19, 1898.

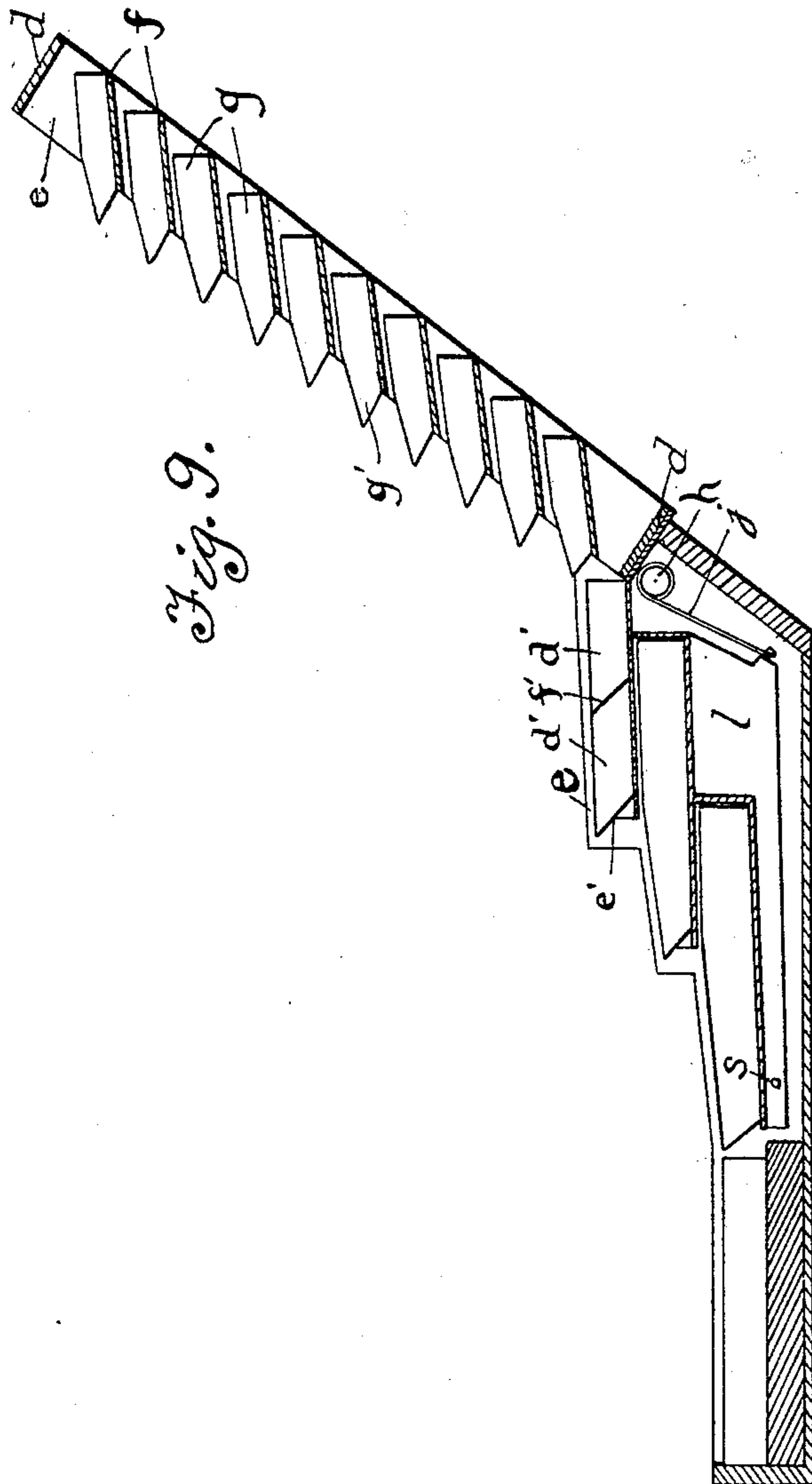


Fig. 9.

Witnesses

Frank H. Stigbt.
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Inventor

Hubert Byxbe,

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UNITED STATES PATENT OFFICE.

HULBERT BYXBE, OF YOUNGSTOWN, OHIO.

TYPE-CASE.

SPECIFICATION forming part of Letters Patent No. 602,631, dated April 19, 1898.

Application filed July 7, 1896. Serial No. 598,295. (No model.)

To all whom it may concern:

Be it known that I, HULBERT BYXBE, a citizen of the United States of America, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Type-Cases, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in type-cases, and has for its object the provision of new and novel means that will enable the use of word and syllable types or other characters to the number of sixty, more or less, together with the regular alphabets and characters, without increasing the length or width of the case or diminishing its type-holding capacity, except when desirable, with reference to the regular
15 alphabets and characters.

A further object of the invention is to construct a case that will bring the type-boxes nearer to the compositor, make them more easy of access, and making outside dimensions of the case smaller without diminishing the type-holding capacity; furthermore, to increase the type-holding capacity of the case by enlarging the type-boxes without increasing the length or width of the case, making
25 the same more convenient for using the larger sizes of type, and enabling the compositor to put enough type in the case at one distribution to last the entire day.

A still further object of the invention is to construct a type-case as above referred to that will be extremely simple in its construction, strong, durable, handsome in its appearance, effectual in its operation, and comparatively inexpensive to manufacture.

40 With the above and other objects in view the invention finally consists in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

50 Figure 1 is a front elevation of my improved

type-case. Fig. 2 is a side view of the same. Fig. 3 is a front view of the operating-rod for tilting the type-boxes, showing the sides of the case in section. Fig. 4 is a side view of the second and third rows of type boxes or compartments. Fig. 5 is a vertical sectional view of the upper-case boxes or compartments employed for holding capitals. Fig. 6 is a side view of the boxes or compartments employed in second and third rows. Fig. 7 is a vertical sectional view of the fourth and fifth rows of boxes or compartments. Fig. 8 is a side view of the upper or capital case boxes or compartments, and Fig. 9 is a vertical section of the entire case.

In carrying out my invention I provide a suitable frame, the sides of the base portion being designated by the letter *a*, and the rearwardly-slanting sides of the upper portion by the letter *b*. Running longitudinally through the center of the frame is the brace *e*, which, with the side pieces *b*, support the shelves *f*, which slant downward toward the front, and on these shelves are secured the type boxes or compartments *g*.

Just below the type-boxes *g* are the receptacles or boxes *d*², divided into two compartments by the partition *f*'. These boxes are arranged in a line parallel with the shelves and are rigidly secured to the bottom piece *d* of the upper portion, the two compartments forming two parallel rows and which for the purpose of convenience I have termed the "fourth" and "fifth" rows, counting from the front.

Side pieces *l l l l* are pivoted by means of the pins *s* to the sides *a* and the central brace *e*, and secured between these side pieces *l* are a number of rows *c' c'*, overlapping each other, (shown as two in number in the drawings and called the "second" and "third" rows throughout the specification,) which by reason of the fact that the side pieces *l* are pivoted may be tipped so as to slant to a greater or less degree. In order that these boxes may be moved in unison, I journal the shaft *h* between the sides *a* and through the brace *e* and wind on the shaft the ropes or straps *j*, the outer or free ends of which are secured to the rear ends of the side pieces *l*. Provided on one end of the shaft is a crank *i*, whereby it will

be seen that by rotating this crank the straps or ropes are wound or unwound, and consequently the rear of the side pieces raised or lowered and the boxes inclined.

- 5 If desired, a pin may be secured on the crank to fit in any one of a number of holes *m*. The boxes *c' c'* may be held in any position of adjustment.

10 The boxes *c' c'*, as well as all of the other boxes or compartments, with exception of a single row in the immediate front of the lower portion of the frame, have their front walls inclined toward the front to facilitate the picking out and distributing of the type. All
15 of the boxes arranged on the shelves in the upper portion and the second and third rows in the lower portion have their side walls of less height in front than at the rear, thereby making them scoop-shaped.

20 From the foregoing description the operation and advantages will, it is thought, be understood, together with the fact that the number and arrangement of the boxes may be varied, and other details of construction may be
25 slightly changed without departing from the spirit of my invention.

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

- 30 1. In a type-case, a frame, a number of rows of boxes secured together, the rows being pivoted at the ends to the frame, a shaft journaled between the sides of the frame and suitable flexible connections between the shaft

and the boxes, as and for the purpose described. 35

2. In a type-case, a row of boxes pivoted at its ends to the sides of the frame, a shaft journaled between the sides of the frame, straps wound on the shaft and secured to the backs of the
40 boxes, a crank on the end of the shaft, a pin adapted to a number of holes in the side of the frame, as and for the purpose described.

3. In a type-case, the combination of the type boxes or compartments arranged in rows
45 in the case, each row of the upper-case boxes overlapping each other, the second and third rows of the lower case being adjusted by means of a shaft in the casing, said shaft being retained at the desired position by a pin
50 in the side of the frame, all boxes or compartments having scoop or inclined fronts, excepting those in the front row of lower case, all boxes or compartments in the upper or capital case and second and third rows of lower
55 case being tapered toward the front, thereby making the side walls of said boxes lower in front than the rear, and the front wall lower than the rear wall, the boxes being inclined forwardly substantially as shown and de-
60 scribed.

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

HULBERT BYXBE.

Witnesses:

SAMUEL M. WINTER,
WM. W. BILGER.