

(No Model.)

G. A. DUBEUX.

3 Sheets—Sheet 1.

CURVED LINOTYPE AND HOLDER THEREFOR.

No. 513,007.

Patented Jan. 16, 1894.

Fig. 1.

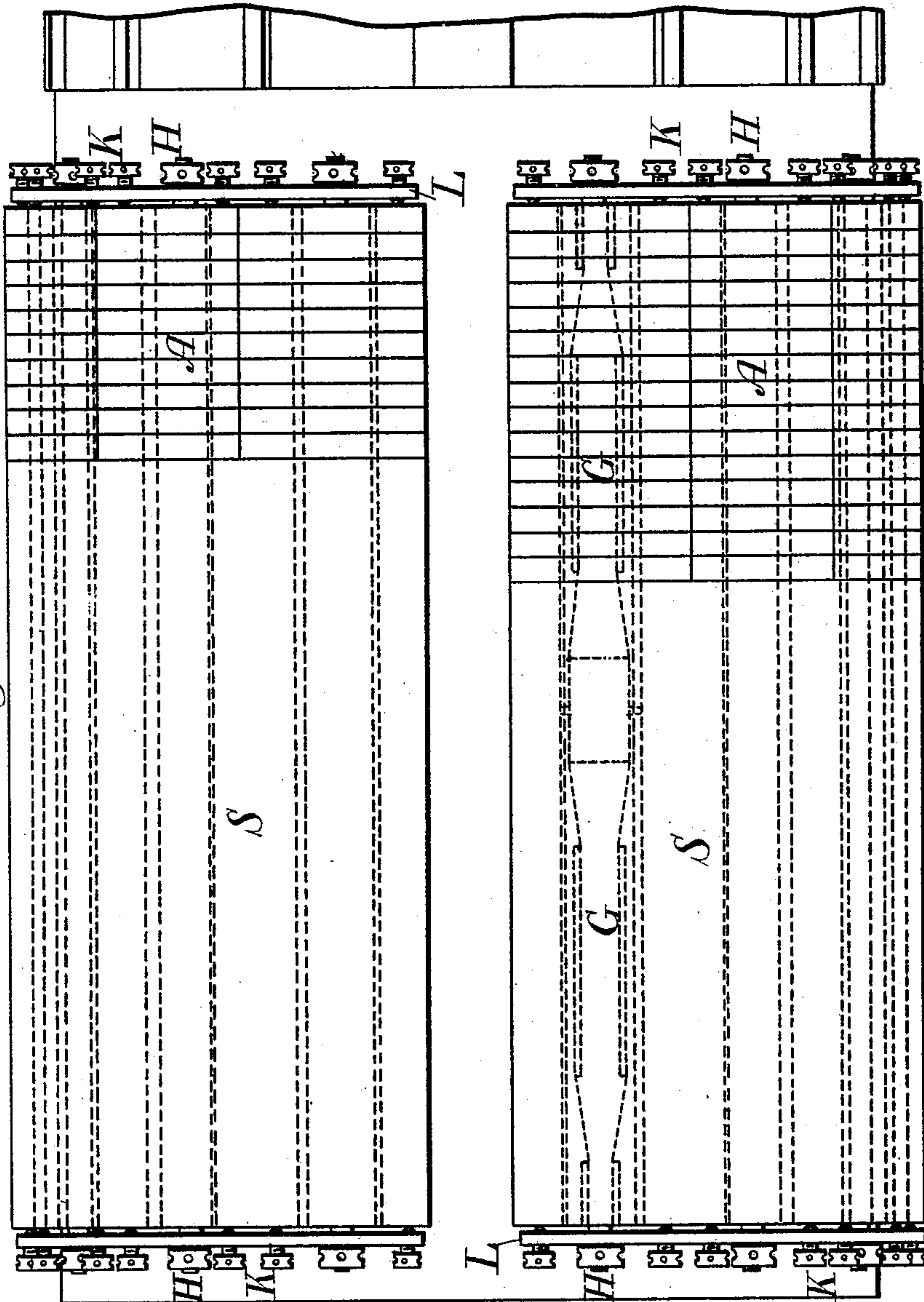
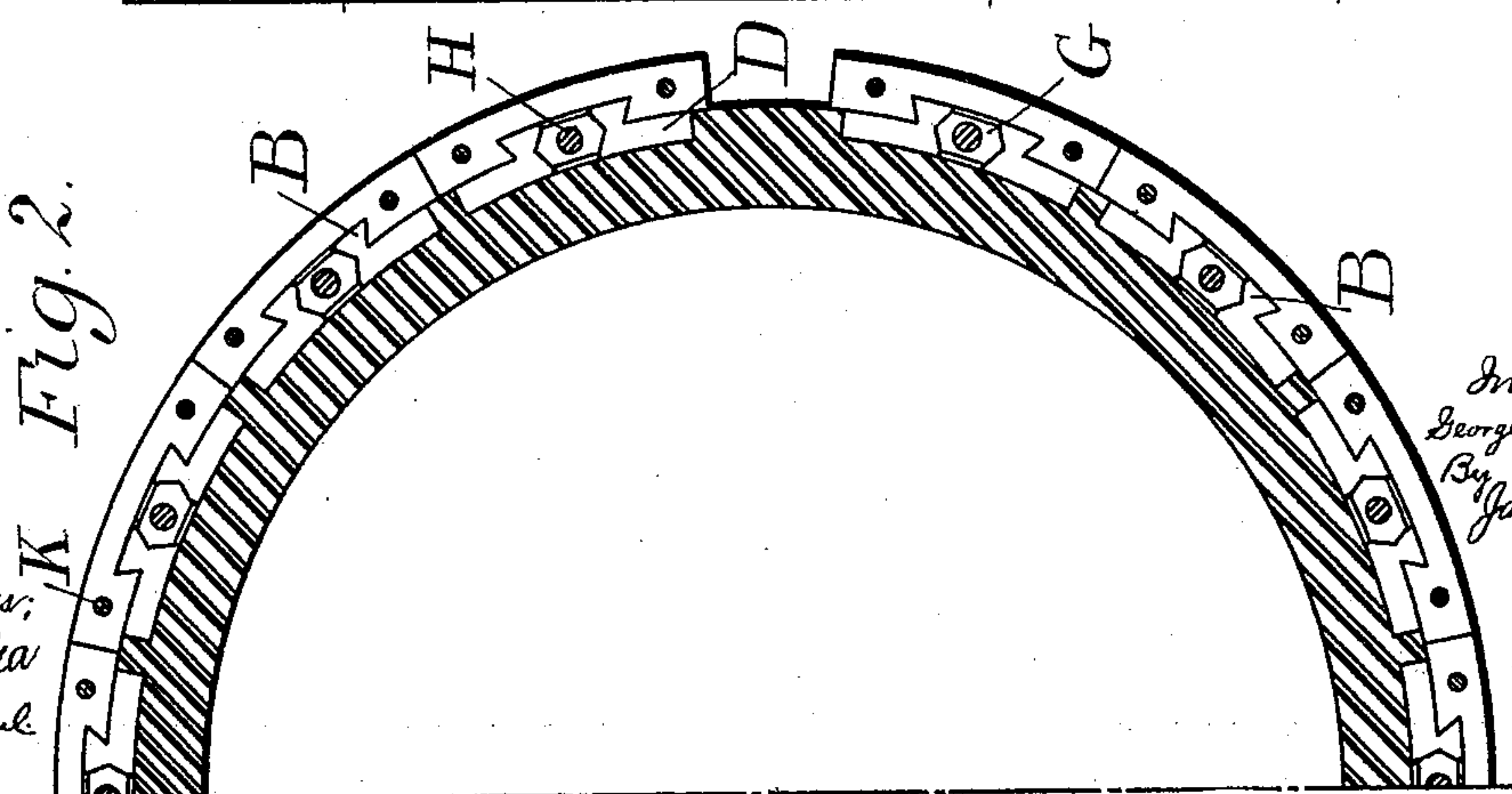


Fig. 2.



Witnesses:
S. H. Rea
J. A. Paul

Inventor:
George A. Dubaux
By James L. Norris
Atty

(No Model.)

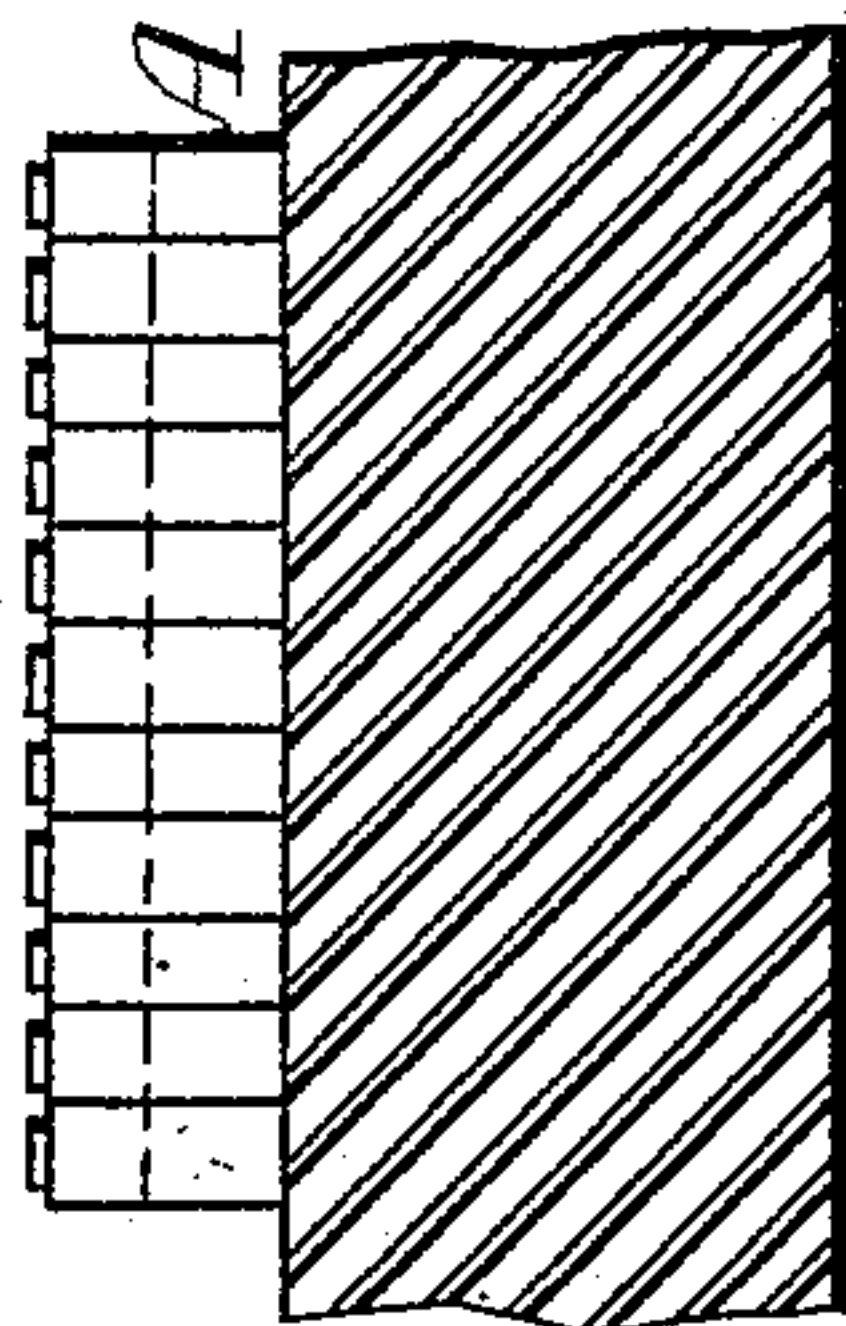
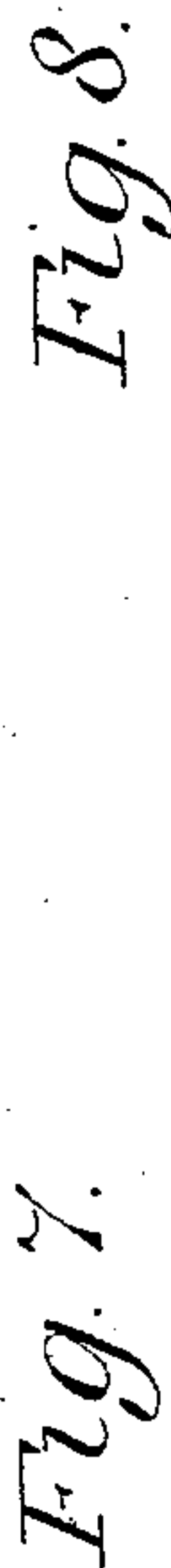
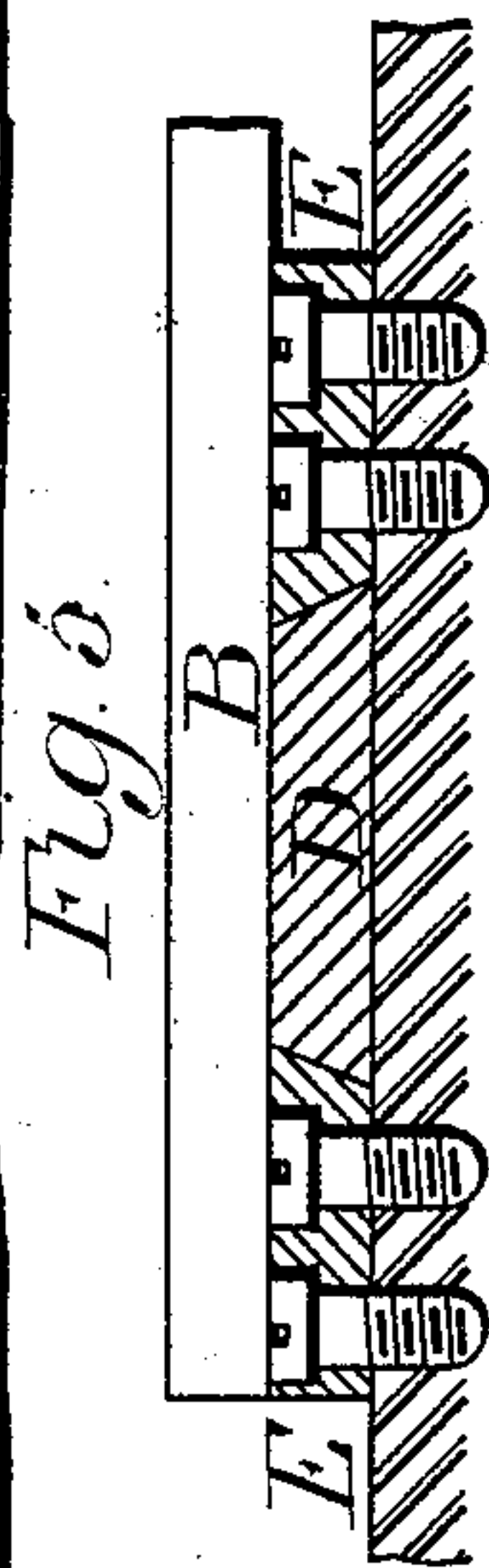
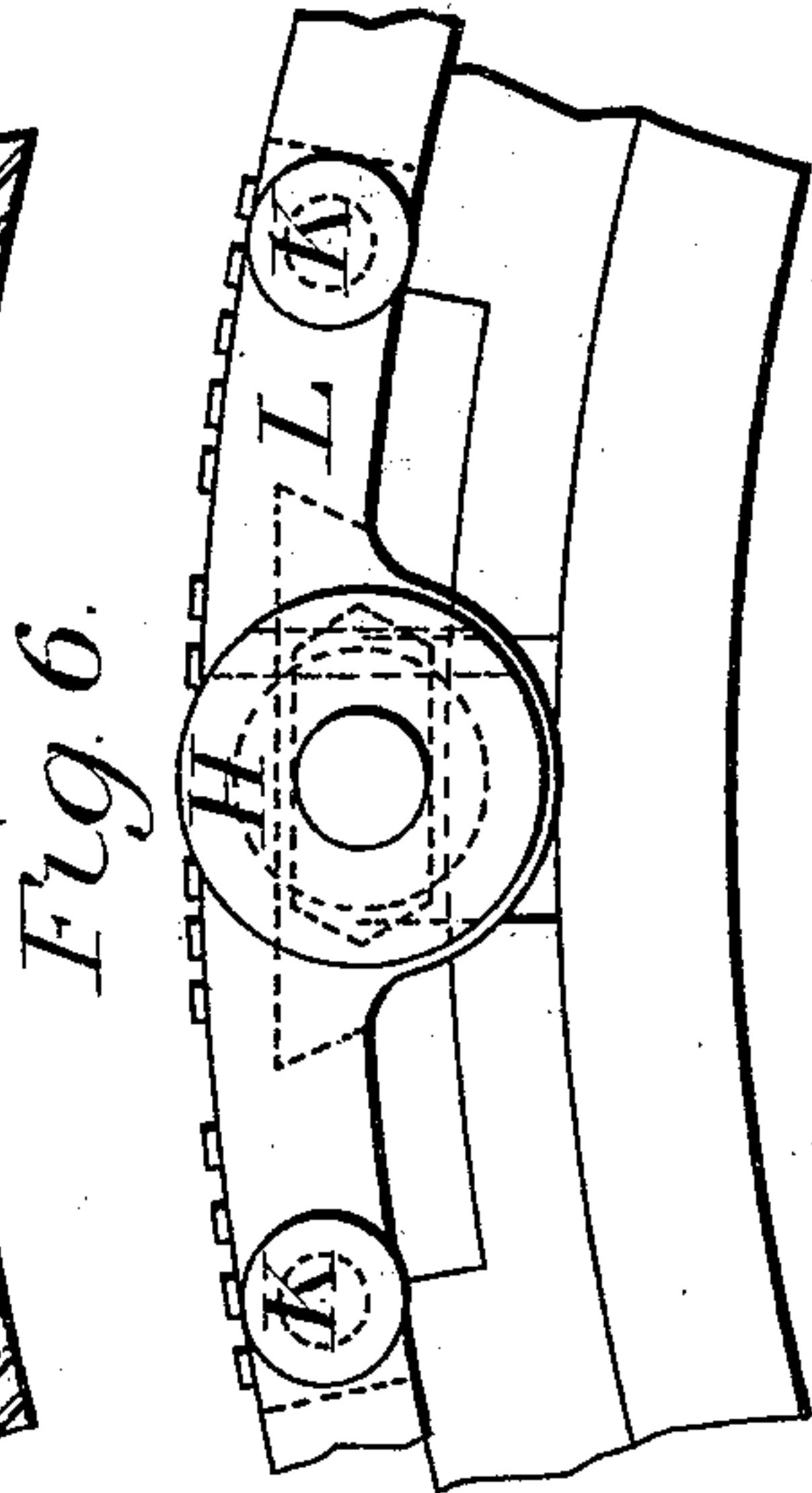
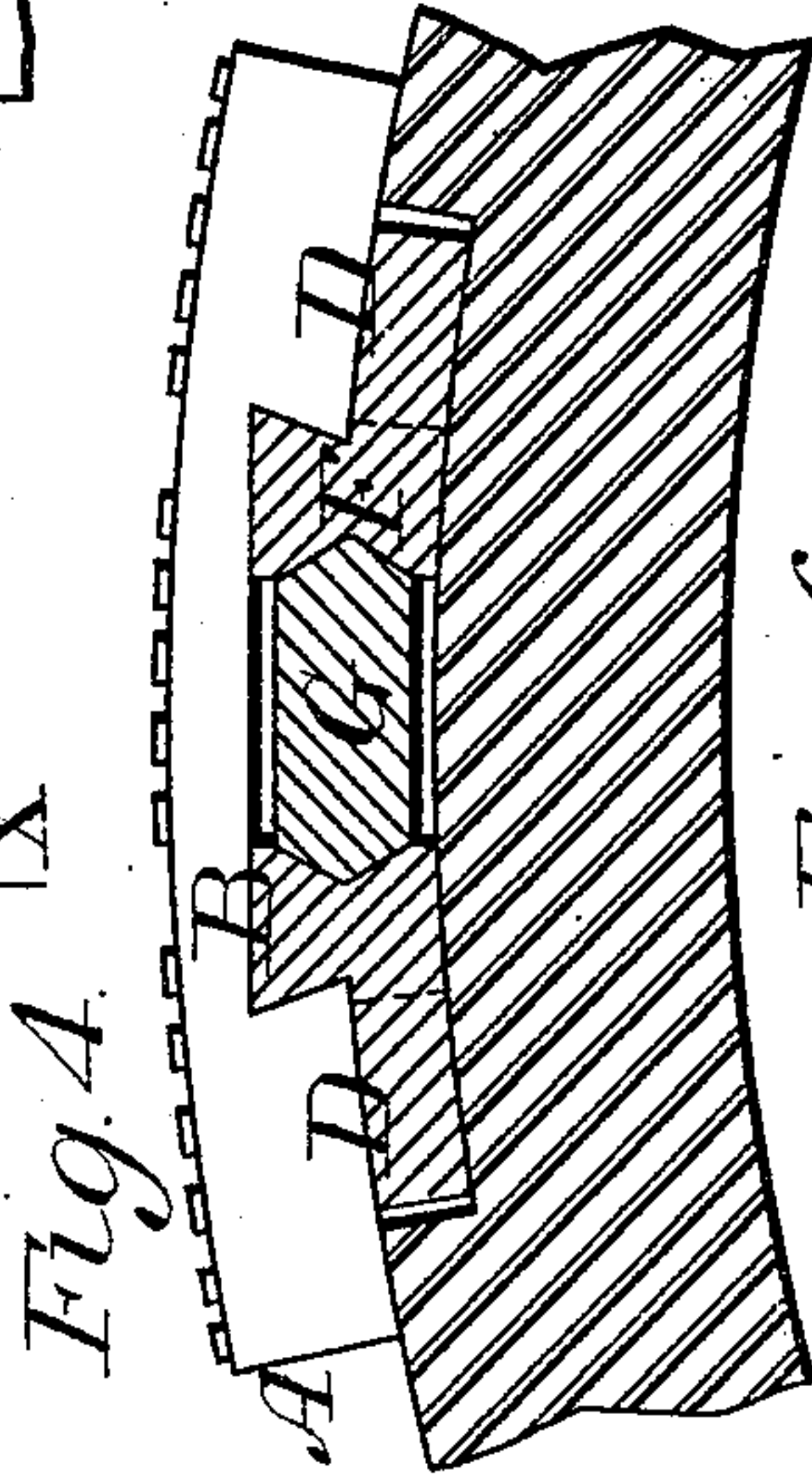
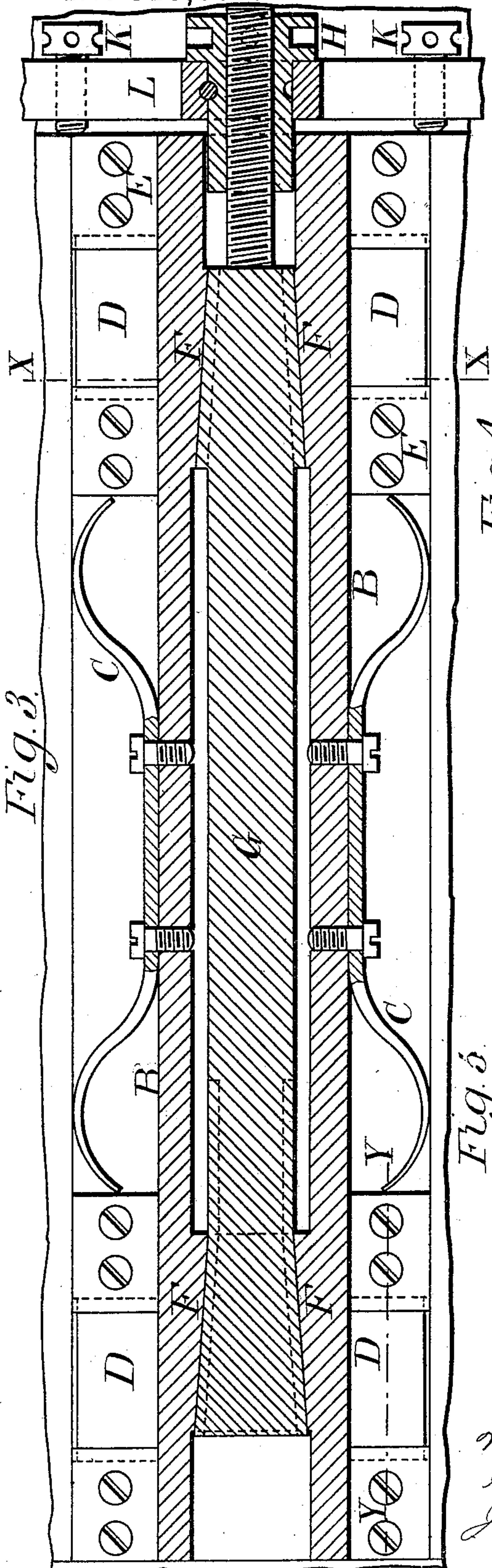
G. A. DUBEUX.

3 Sheets—Sheet 2.

CURVED LINOTYPE AND HOLDER THEREFOR.

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Patented Jan. 16, 1894.



Witnesses
S. W. Rea
J. A. Saul.

Inventor,
George A. Dubaux
By James L. Norris
Atty.

(No Model.)

G. A. DUBEUX.

3 Sheets—Sheet 3.

CURVED LINOTYPE AND HOLDER THEREFOR.

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Fig. 9.

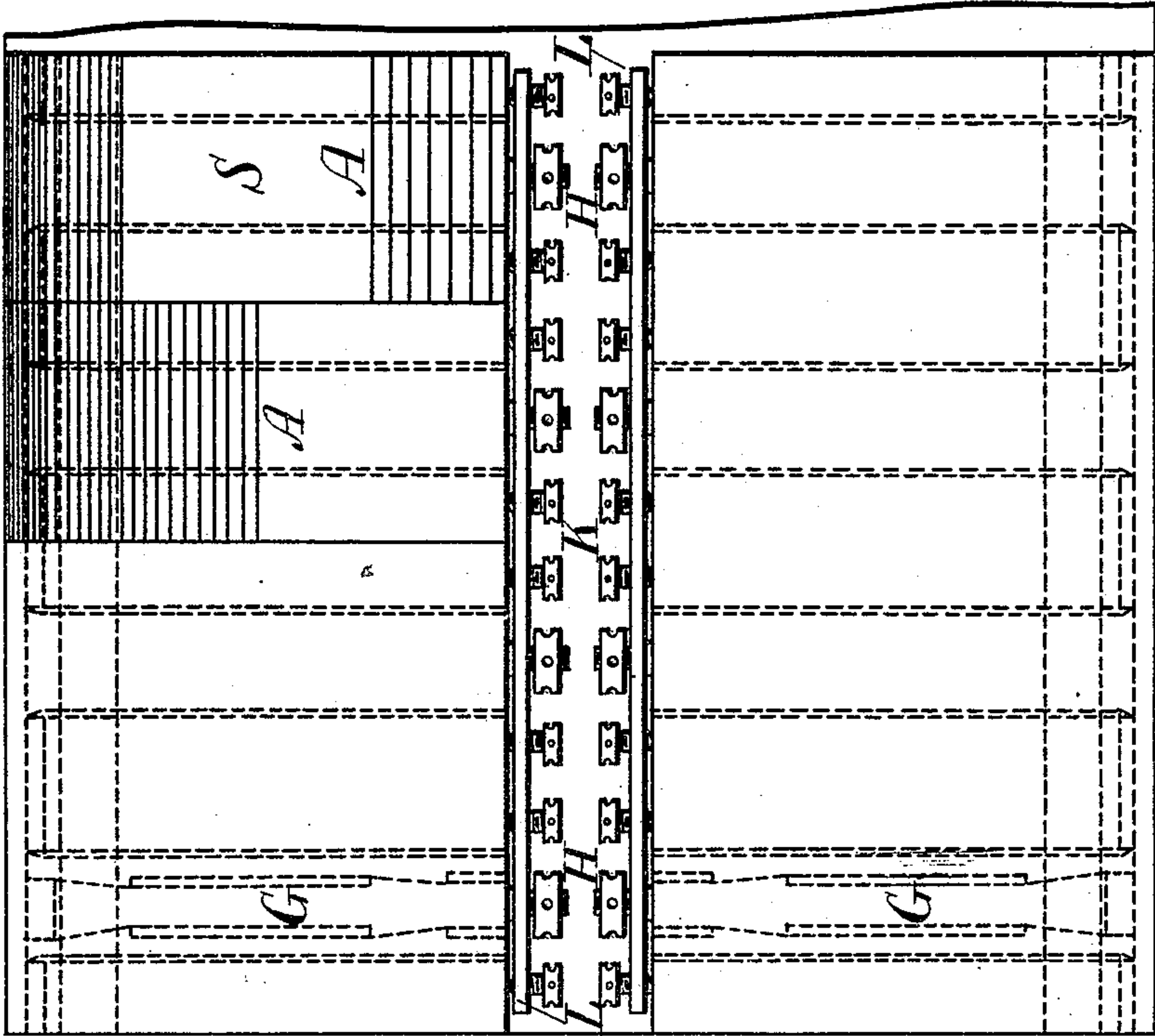


Fig. 12.



Fig. 10.

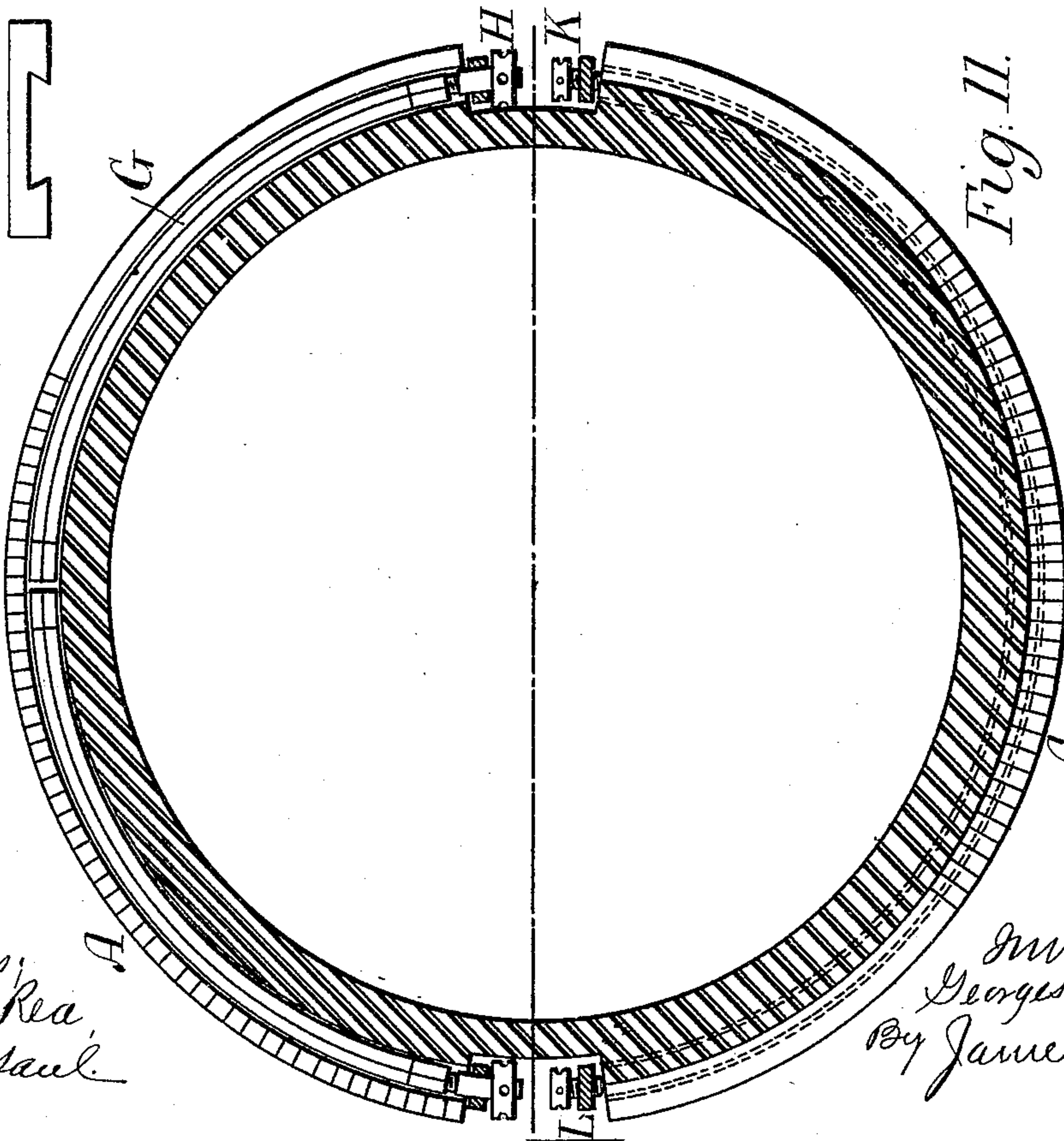
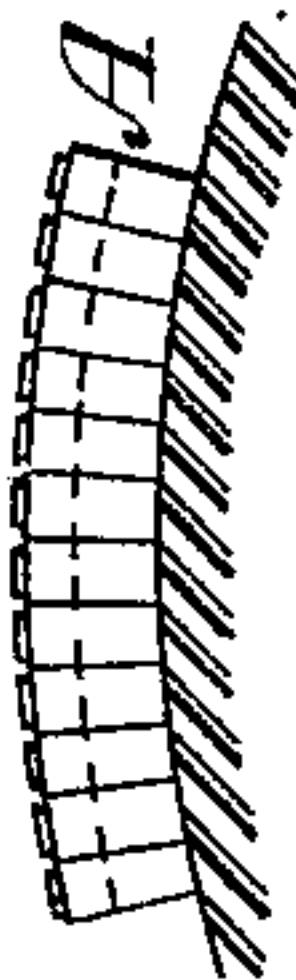


Fig. 11.



Witnesses,
G. W. Rea,
J. A. Saul.

Inventor
Georges A. Dubeux
By James L. Norris
att'y.

UNITED STATES PATENT OFFICE.

GEORGES ALBERT DUBEUX, OF LONDON, ENGLAND.

CURVED LINOTYPE AND HOLDER THEREFOR.

SPECIFICATION forming part of Letters Patent No. 513,007, dated January 16, 1894.

Application filed June 15, 1893. Serial No. 477,691. (No model.)

To all whom it may concern:

Be it known that I, GEORGES ALBERT DUBEUX, a citizen of France, residing at 13 Tor-
5 riano Avenue, in the city of London, Eng-
land, have invented certain new and useful
Improvements in Curved Linotypes and Hold-
ers Therefor, of which the following is a speci-
fication.

Linotypes, as is well known, are made by ar-
10 ranging side by side a number of matrices in
a row and casting on them metal which forms
a line of united type ready to be made up
into forms for printing. When the form is
to be fixed on the surface of a cylinder, a cast
15 is taken from the flat form made up of lino-
types. This cast is bent to the proper concave
curvature and a curved stereotype is produced
from it, adapted to be fixed upon the printing
cylinder.

20 My invention relates to the construction
and fixing of linotypes themselves for cylin-
der forms in such a manner as to avoid the
expense, labor and loss of time involved in
the molding, bending and stereotyping oper-
25 ations above mentioned, as I shall describe re-
ferring to the accompanying drawings.

Figure 1 is a part plan and Fig. 2 a part
transverse section of a printing cylinder hav-
ing on it linotypes transverse to the axis. The
30 other figures, 3 to 8 inclusive, show to an en-
larged scale the form of the linotypes and the
means of fixing them. Fig. 3 is a sectional
plan of the parts under one of the rows. Fig.
4 is a section on the line X X and Fig. 5 a sec-
tion on Y Y of Fig. 3. Fig. 6 is an end view
35 of one of the rows. Fig. 7 is a side view of one
of the linotypes and Fig. 8 shows a number of
them side by side on the cylindrical surface.
Fig. 9 is a part plan and Fig. 10 is a transverse
40 section having on it linotypes parallel to the
axis. Fig. 11 is a transverse section showing
to an enlarged scale several of the linotypes
side by side on the cylindrical surface. Fig.
12 is the side view of one of the linotypes.

45 The linotypes A shown in Figs. 1 to 8 inclu-
sive are curved by being cast on matrices ar-

ranged side by side to the proper curvature,
for which purpose these matrices are made
somewhat wedge shaped, or, if they have their
sides parallel as usual, they can be set to the 50
curvature before casting a linotype on them
by introducing thin wedges between the edges
farthest from the characters. When there
are numerous spaces, their matrices, if made
wedge shaped will serve also to give the line 55
curvature. Each linotype is made with a
dovetail notch in its under side and into these
notches are introduced two dovetail pieces B
which lie in a recess of the cylinder and are
urged toward each other by springs C also 60
lodged in the recess. Each of the pieces B
has two dovetail side wings D projecting from
it, each between dovetail guides E E, which
are fixed in the recess. There is also formed
on the inner side of each piece B an inclined 65
face F to receive wedge shaped parts of dou-
ble V section of a bar G which lies between
the two pieces B and has a screw threaded
end fitted with a nut H. This nut can turn
in a flange L and is prevented from being 70
drawn out by a pin engaged in a groove turned
in the nut. By turning the nut so as to draw
the bar G toward the right, the wedge parts
of the bar acting on the inclines F force the
pieces B apart so that their dovetail sides en- 75
gaged in the dovetail notches of the linotypes
A, and also setting screws K, hold the linotypes
firmly in position. The wedge bars G may be
duplicated as indicated in Fig. 1, the one bar
being drawn to the right and the other to the 80
left. In Fig. 1 only part of each form is shown
as being made up of linotypes A. The other
parts S may be stereo or other plates, which
may be held in the same way as the linotypes;
or the whole form may be made up of lino- 85
types held as above described. When the
linotypes A are parallel to the axis of the cyl-
inder as shown in Figs. 9 and 10, they are
made wedge shaped as shown in Fig. 11, and
the wedge bars G instead of being straight are 90
curved as shown in Fig. 10.

Having now particularly described and as-

certained the nature of my said invention and the best means I know for carrying the same into practical effect, I claim—

5 In combination with a number of linotypes made of shape adapted to a cylinder form and having dovetail notches on their under sides, a pair of pieces having dovetail outer sides with guided wings, and having inclines on their inner faces, springs arranged to press
10 the pieces toward each other, and a wedge bar with nut arranged to force them apart, substantially as described.

In testimony whereof I have signed my

name to this specification, in the presence of two subscribing witnesses, this 25th day of 15 May, A. D. 1893.

GEORGES ALBERT DUBEUX.

Witnesses:

HAROLD IMRAY,
Chartered Patent Agent, 28 Southampton Buildings, London, W. C.

JNO. P. M. MILLARD,
Clerk to Messrs. Abel & Imray, Consulting Engineers and Patent Agents, 28 Southampton Buildings, London, W. C.