

No. 849,639.

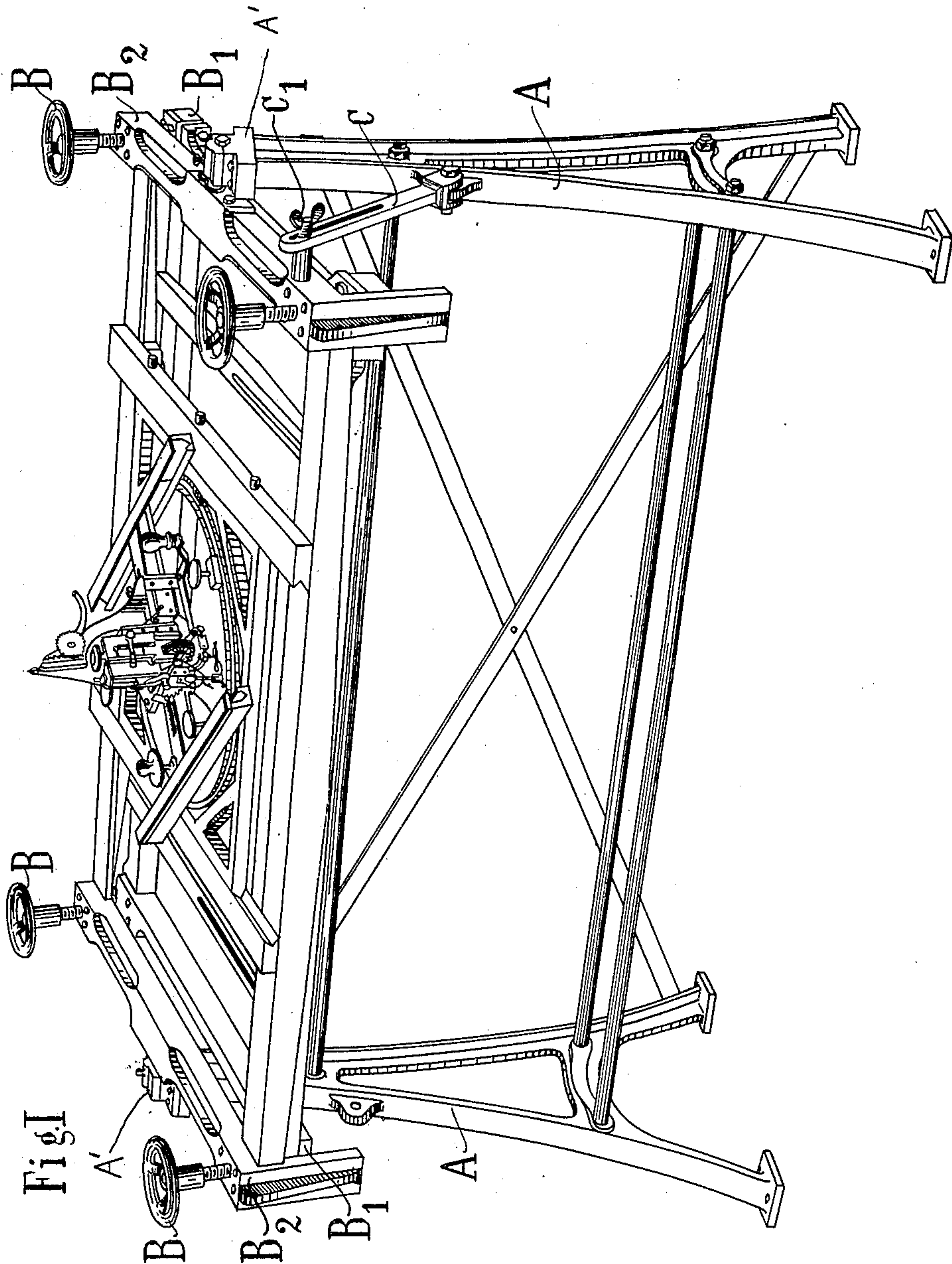
PATENTED APR. 9, 1907.

R. REISS.

APPARATUS FOR PRINTING ON STONE.

APPLICATION FILED JULY 16, 1906.

2 SHEETS—SHEET 1.



Witnesses
W. C. Lawry.
L. C. Bartley

Inventor
Richard Reiss
by Frank S. Appelman
Atty.

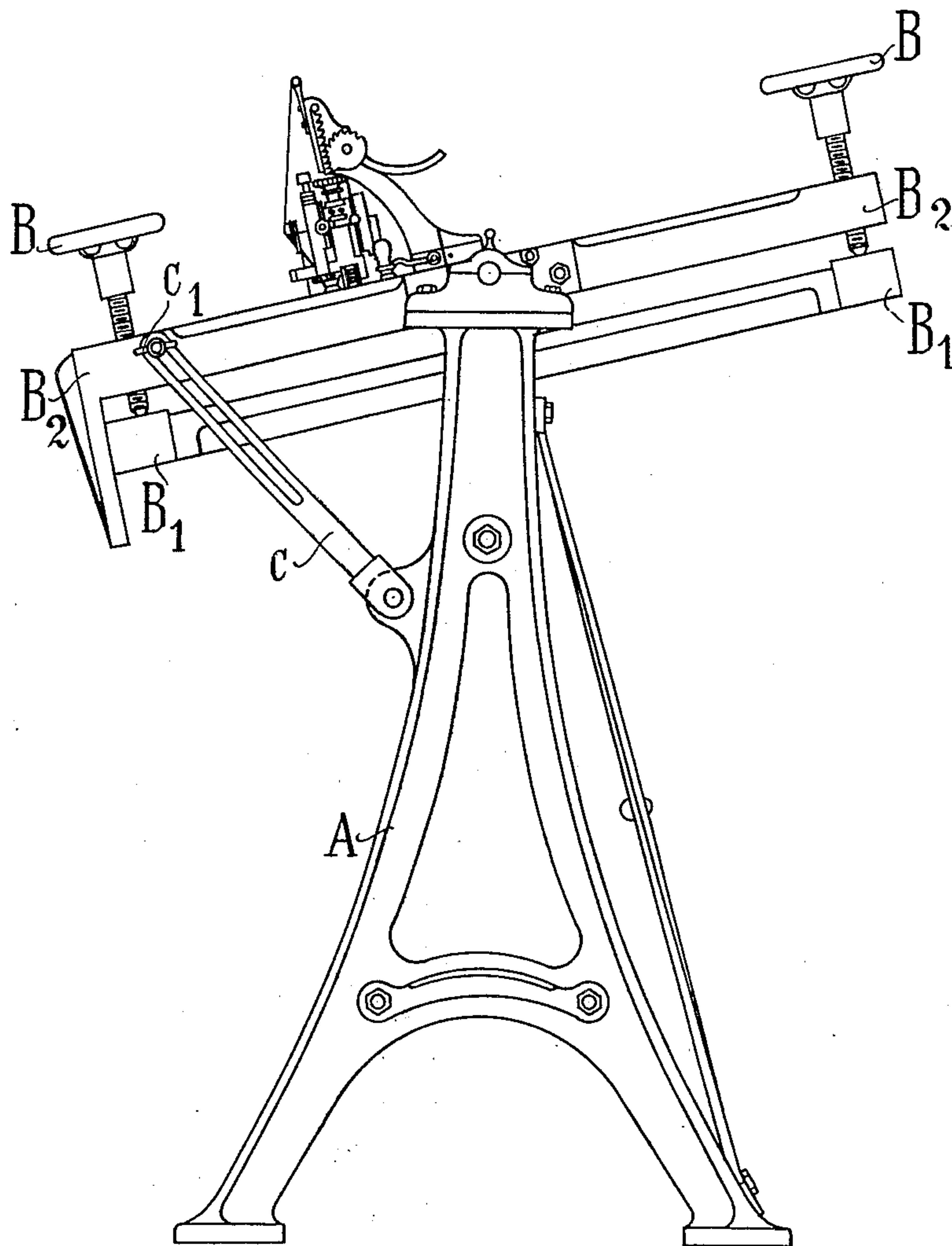
No. 849,639.

PATENTED APR. 9, 1907.

R. REISS.
APPARATUS FOR PRINTING ON STONE.
APPLICATION FILED JULY 16, 1906.

2 SHEETS—SHEET 2.

Fig. II



Witnesses—
L. E. Barkley.
O. E. Lawson

Inventor
Richard Reiss
by Frank S. Ahlmann
Atty.

UNITED STATES PATENT OFFICE.

RICHARD REISS, OF BERLIN, GERMANY, ASSIGNOR TO TESSAROTYPIC
AKTIENGESELLSCHAFT, OF BERLIN, GERMANY.

APPARATUS FOR PRINTING ON STONE.

No. 849,639.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed July 16, 1906. Serial No. 326,496.

To all whom it may concern:

Be it known that I, RICHARD REISS, a subject of the Emperor of Germany, residing in Berlin, Germany, have invented new and
5 useful Improvements in Apparatus for Printing on Stone, of which the following is the specification.

My invention relates to apparatus which serves, with the aid of a type-carrier, for
10 transferring letters or chartographic characters directly to a lithographic stone or the like, and has reference more particularly to the method of securing adjustability of the bed supporting the stone or the like.

15 In the present case the letters or the like are removably secured in a type-wheel, which on working is inserted in a carriage in which it is moved up and down, whereby it is inked. The wheel is hereby pressed down upon the
20 stone and imparts the impression directly to the latter. The type-wheel carriage itself rests with capability of motion in all directions in the plane on longitudinal and transverse slides, by which means the type-wheel
25 can be moved in every direction over the stone. The lithographic stone reposes in a frame and is adjusted at right angles to the motion of the type-carrier. This adjustment device forms the subject of my invention.
30 In order to enable adjustment, the frame on which the stone rests is formed as a double frame. The top frame rocks in bearings in the main framing and can be fixed in the desired position by suitable devices, so
35 that the surface of the stone may lie at the most favorable angle for the eye of the lithographer and the light and for ready survey of the field of work. The bottom frame is held to the top frame by adjustment-screws, a
40 suitable number of which pass through the top frame.

One form of construction of the new apparatus is shown in the accompanying drawings, in which—

Figure 1 is a perspective view, and Fig. 2 a
side elevation.

In the framing A of the machine there rests in bearings A' the top frame B², which supports the entire chartographic-printing device on slides. It is held at the angle
50 given to it by a slotted stay C and a pressing-screw C'. The bottom frame B' is suspended below the top frame by means of screw-spindles with hand-wheels B. The bottom frame B' carries the stone which is to be
55 printed on. The bottom frame B' is raised near to or removed farther from the top frame by screwing the spindles of the wheels B up or down. In this manner the bottom frame, and thus also the stone, can be brought
60 exactly into the desired position relatively to the type-wheel.

Having thus described my invention, what I claim is—

In combination a main frame, a top frame
65 having its ends journaled therein, a chartographic-printing device slidably mounted on said top frame, screw-spindles passing through the top frame, hand-wheels secured to the top of said spindles and a bottom
70 frame for the stone supported on the ends of the spindles so that said bottom frame may be adjusted by rotating the spindles.

In witness whereof I have hereunto signed my name, this 9th day of April, 1906, in the
75 presence of two subscribing witnesses.

RICHARD REISS.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.