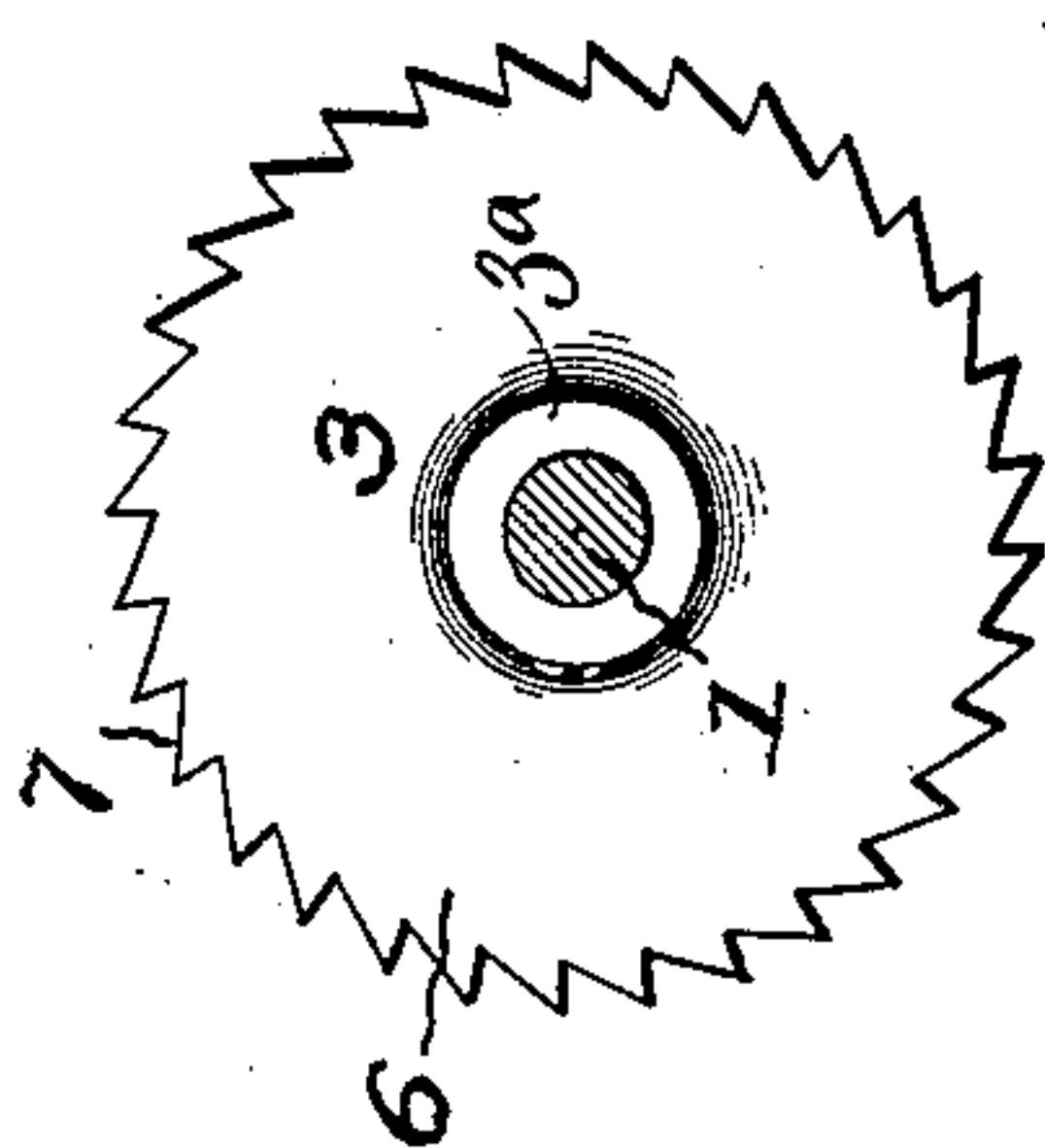
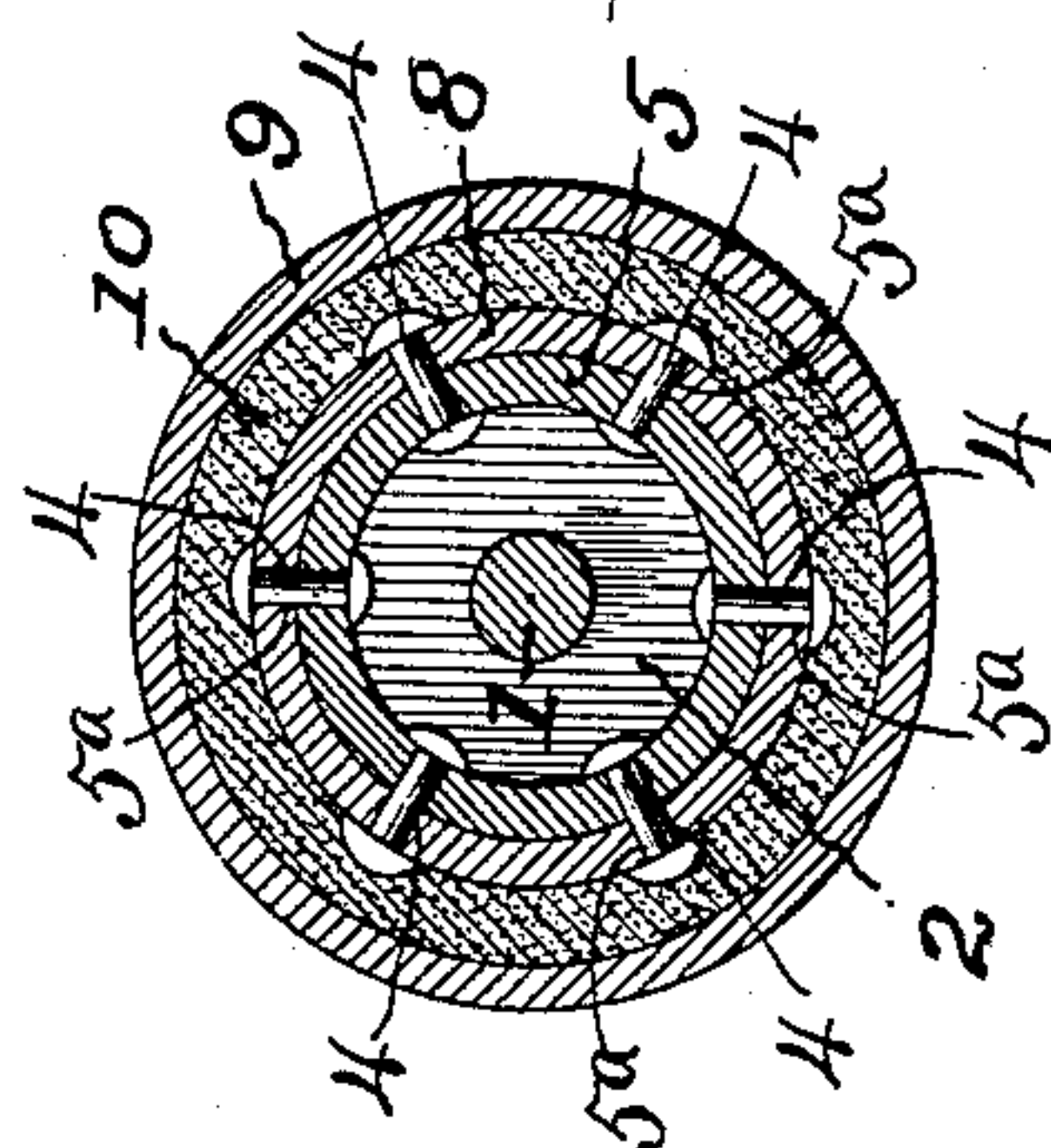
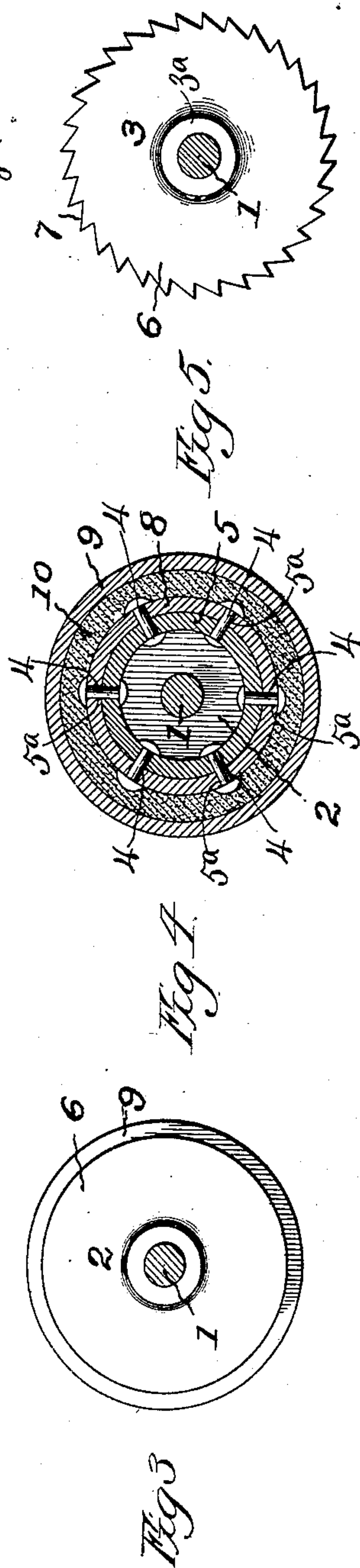
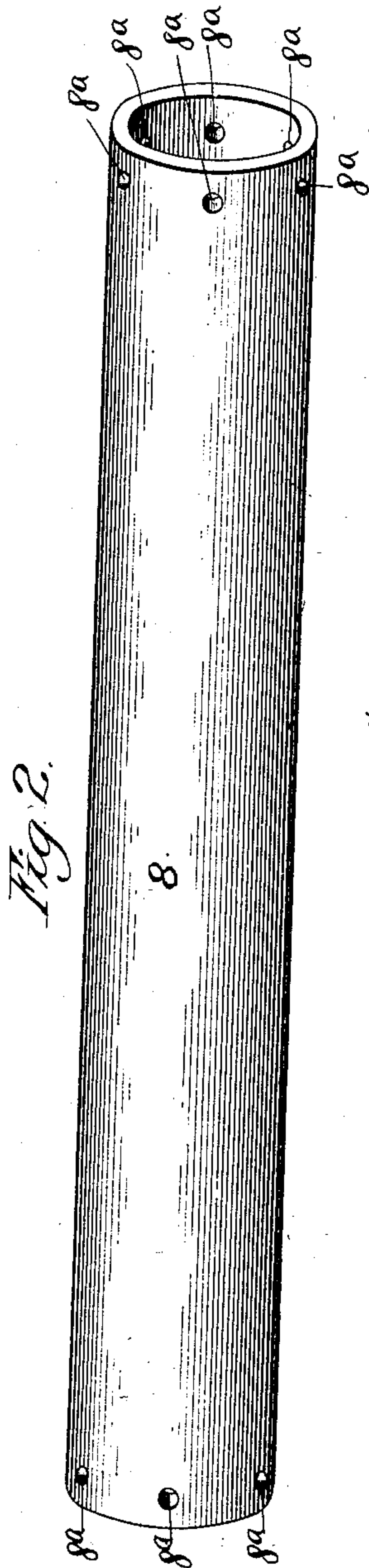
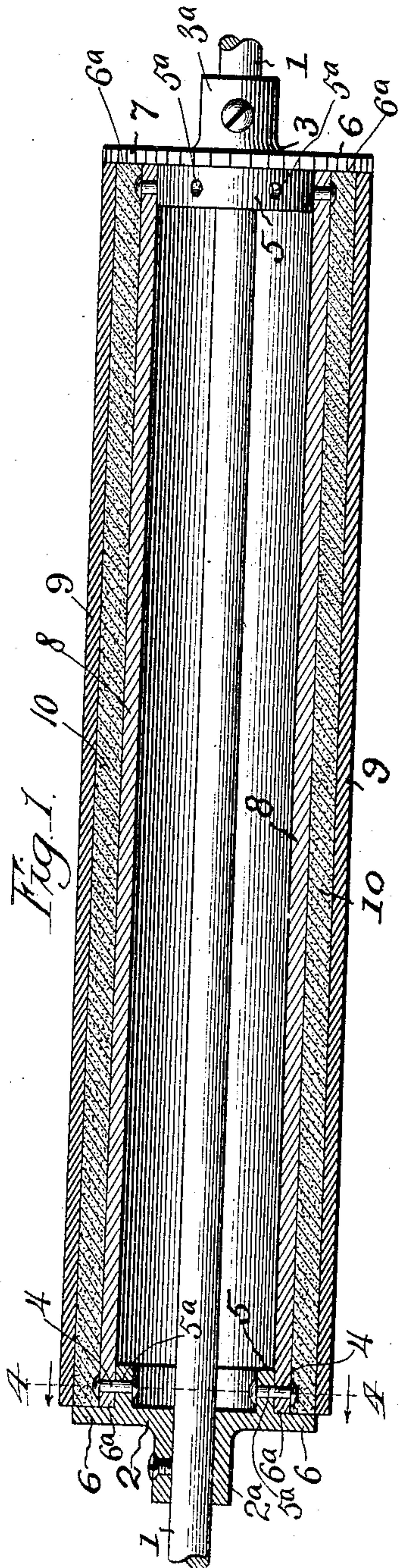


No. 883,909.

PATENTED APR. 7, 1908.

E. C. PHILLIPS.
PLATEN FOR TYPE WRITING MACHINES.
APPLICATION FILED JULY 15, 1907.



Witnesses:

D. O. Stephens
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Inventor:

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UNITED STATES PATENT OFFICE.

ELWOOD C. PHILLIPS, OF CHICAGO, ILLINOIS, ASSIGNOR TO LEVI P. THOMPSON, OF CINCINNATI, OHIO.

PLATEN FOR TYPE-WRITING MACHINES.

No. 883,909.

Specification of Letters Patent.

Patented April 7, 1908.

Application filed July 15, 1907. Serial No. 383,911.

To all whom it may concern:

Be it known that I, ELWOOD C. PHILLIPS, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Platens for Type-Writing Machines, of which the following is a specification.

This invention relates to cylindrical platens for type writing machines, and has for its object to provide a simple and efficient structural arrangement and combination of parts forming an improved platen by means of which the noise produced by the impact of the type against such platen is eliminated to a very material extent, all as will hereinafter more fully appear.

In the accompanying drawings:—Figure 1, is a longitudinal sectional elevation of a cylindrical platen embodying the present invention. Fig. 2, is a detached perspective view of the inner tubular member of the same. Fig. 3, is a sectional elevation of one end of the platen. Fig. 4, is a transverse section on line 4—4 Fig. 1. Fig. 5, is a sectional elevation of the other end of the platen.

Similar numerals of reference indicate like parts in the several views.

Referring to the drawings, 1 represents the usual carrying shaft having an axial arrangement on the cylindrical platen, as usual.

2 and 3 are substantially counterpart end heads formed with external journal bearings 2^a and 3^a and secured to the shaft 1, in any suitable manner and provided with internal cylindrical supporting flanges 5, formed with radial fastening holes 5^a and the peripheries of which are concentric with the axis of the shaft 1, and are adapted to support the inner tubular member of the platen, hereinafter described.

6 are marginal extensions forming the peripheries of the end heads 2 and 3; such extensions project beyond the aforesaid supporting flanges 5, to provide annular recesses 6^a and maintain the hereinafter described plastic filling in place. One of such marginal extensions, in the preferred construction as shown in Fig. 1, will have its periphery formed with a series of ratchet teeth 7 for operative engagement by the usual manually actuated mechanism of a type writing machine, and by which a step

by step rotation is given the platen in actual use of the machine.

8 is an inner tubular member of an imperforate cylindrical form between its open ends, with such open ends formed with radial fastening holes 8^a and adapted to fit over and be secured to the supporting flanges 5, aforesaid, by rivets or other bolts 4. Such member is formed of paper, paper pulp or other like material, and its respective ends fit in the annular recesses 6^a and abut against the marginal extensions 6, to impart increased rigidity to the connection of the parts.

9 is an outer tubular member of a cylindrical form and arranged in concentric relation to the carrying shaft 1 and inner tubular member 8, to constitute the periphery of the platen; such member is formed of hard rubber or the like and has a spaced relation to the inner member 8, so as to provide a circular space between the two members as shown in Figs. 1 and 4.

10 is a filling of plastic material arranged in the aforesaid circular space between said members and adapted to connect the two together in a firm and substantial manner, and to such end such material will have an adhesive nature by the mixture therewith, or other suitable application of an adhesive.

The material part of the present invention consists in the employment, as such filling, of a suitable sound deadening material, such for instance as a mixture of glue, glycerin and sugar, so that the jar due to the impact of the type against the periphery of the platen, will be absorbed and not transmitted to the supporting frame and other parts of the machine, in consequence of which the noise produced by such impacts is reduced to a minimum.

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

A cylindrical platen for typewriting machines comprising counterpart heads each formed with an external journal bearing, an internal cylindrical supporting flange having radial fastening holes, and a marginal extension providing an annular recess around the supporting flange, an inner tubular member of fibrous material having its ends provided with radial fastening holes registering with the radial fastening holes of the supporting

flanges and fitting over the latter within the
annular recesses against the marginal exten-
sions, fastenings located in the radial fasten-
ing holes for securing the inner tubular mem-
5 ber to the flanges, an outer tubular member,
spaced from the inner tubular member, and
a filling of sound deadening adhesive mate-
rial between the tubular members extending

the whole length of, and securing the latter
together, between the marginal extensions. 10

Signed at Chicago, Illinois, this 11th day
of July 1907.

ELWOOD C. PHILLIPS.

Witnesses:

S. A. PHILLIPS,

J. A. BARKER.