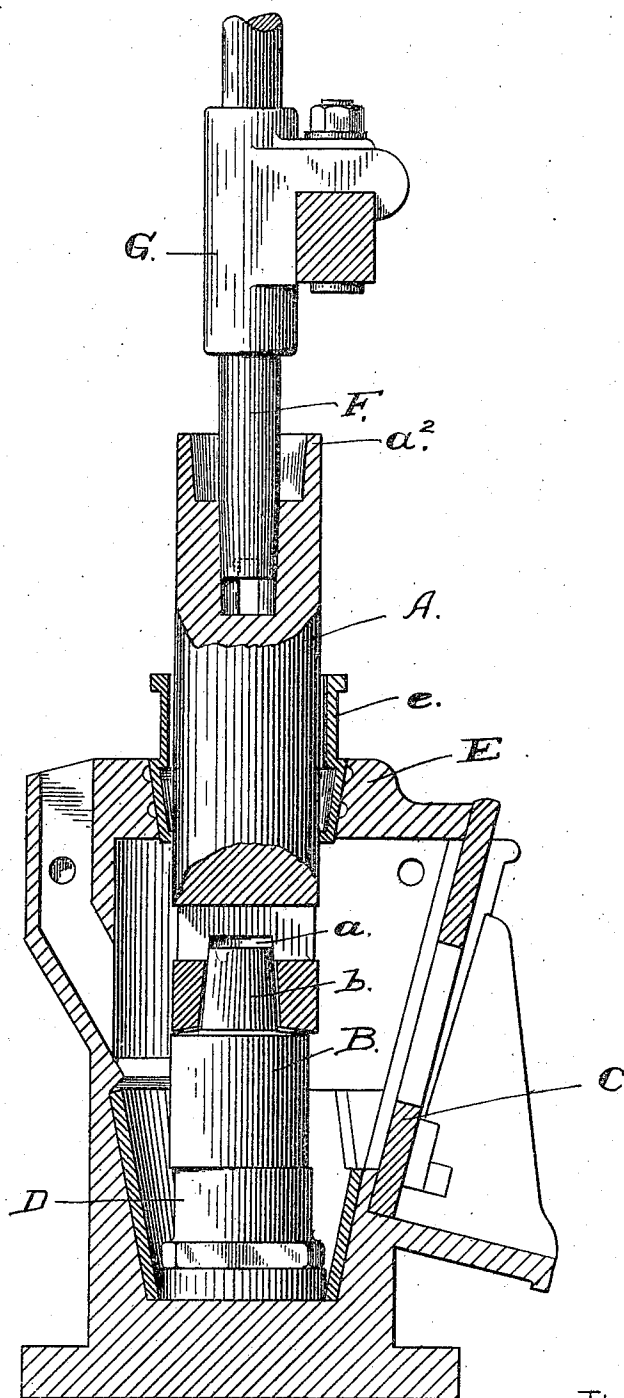


No. 847,397.

PATENTED MAR. 19, 1907.

M. P. BOSS.
STAMP MILL STAMP HEAD.
APPLICATION FILED JAN. 12, 1905.



Witnesses.

Arthur F. Slee

J. Compton

Inventor

Martin P. Boss
by *Wm F. Booth*
his Attorney.

UNITED STATES PATENT OFFICE.

MARTIN P. BOSS, OF SAN FRANCISCO, CALIFORNIA.

STAMP-MILL STAMP-HEAD.

No. 847,397.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed January 12, 1905. Serial No. 240,716.

To all whom it may concern:

Be it known that I, MARTIN P. BOSS, a citizen of the United States, residing at the city and county of San Francisco, State of California, have invented certain new and useful Improvements in Stamp - Mill Stamp-Heads; and I do declare the following to be a full, clear, and exact description of the same.

My invention relates to the class of stamp-heads used in stamp-mills; and it consists in certain improvements therein which have for their object the practical prolongation of the upper portion of the stamp-head in order to extend well beyond the antislashing housing of the mortar-cover without interfering with the advantageously proximate lower stem-guide.

Referring to the accompanying drawings, the figure is an elevation, partly in section, of my stamp-head, showing its improvements in direct relation to their objects.

A is the stamp-head having the shoe B, which is fitted in suitable manner, as by the taper neck *b*, driven in a corresponding socket *a*.

C is a mortar in which is a die D.

E is the mortar-cover. In this is a central sleeve *e*, which forms a housing in which the stamp-head plays and whose function is to prevent splashing, as I have described in a previous application, Serial No. 171,341, filed August 31, 1903.

To the upper end of the stamp-head is fitted the stem F, which plays through the lower guide G of the mill-frame. It is of advantage to have this guide as low as possible consistently with the stroke of the stamp. It

is obvious that where an antislashing housing, such as *e*, is used in which the head itself plays vertically it is advantageous to have this housing of sufficient length to avoid the tendency of the material to pass through it in splashing, and as the stamp-head itself conduces to this end it is necessary that said head be long enough to extend at all times well above the housing, but such length is inconsistent with a low guide G. My present improvement in the stamp-head relates to the solution of this difficulty and consists in prolonging the upper end of the stamp-head by an annular flange *a*², which serves to properly lengthen the head, to keep it well above the housing *e*, and at the same time to avoid contact with the low guide G by overlapping or embracing it when at the extremity of its upward stroke.

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

In combination with a mortar, having a cover with an antislashing housing, and a fixed guide above, a stamp-stem fitted in said guide, and a stamp-head fitted to the stem, and playing through the cover-housing, said stamp-head having an annular flange prolonging its upper end and adapted to pass over the fixed guide when the stamp-head is lifted.

In witness whereof I have hereunto set my hand.

MARTIN P. BOSS.

Witnesses:

J. COMPTON,
D. B. RICHARDS.