

(No Model.)

W. H. BROWN.
GUIDE FOR STAMP MILLS.

No. 495,876.

Patented Apr. 18, 1893.

Fig. 1

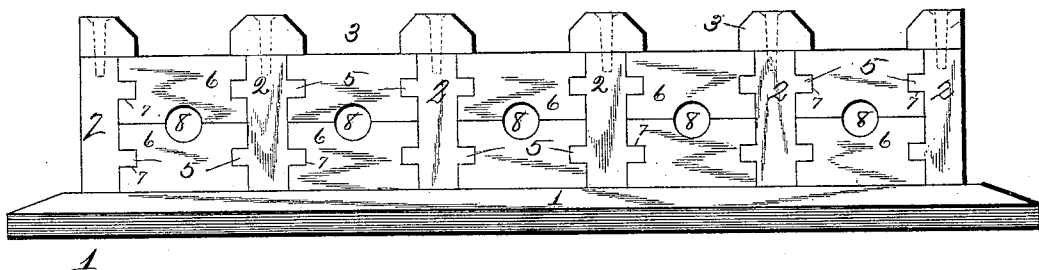


Fig. 2

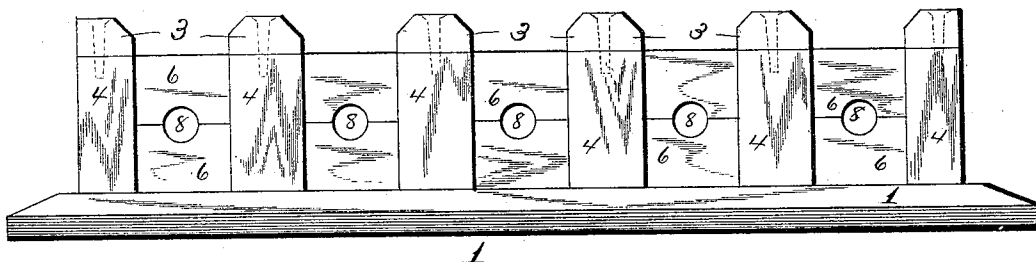


Fig. 3

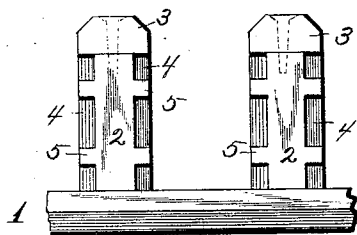
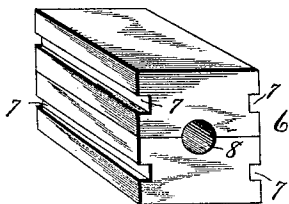


Fig. 4



Witnesses

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WILLIAM H. BROWN, OF ANGEL'S CAMP, CALIFORNIA.

GUIDE FOR STAMP-MILLS.

SPECIFICATION forming part of Letters Patent No. 495,876, dated April 18, 1893.

Application filed December 9, 1892. Serial No. 454,593. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BROWN, of Angel's Camp, county of Calaveras and State of California, have invented certain new and useful Improvements in Guides for Stamp-Mills, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to produce improved guides or boxes for the shafts of quartz mill plungers, or the like, and in the frame for supporting the guides.

In the accompanying drawings, Figure 1 is a top plan view of a frame equipped with five sets of guides. Fig. 2 is a bottom plan view of the same. Fig. 3 is a view of one of the guide boxes, with the guides removed. Fig. 4 is a view of a pair of guides, detached.

Referring to the figures on the drawings, 1 indicates a base-plate of a guide frame, upon which, at regular intervals, is secured in any ordinary manner partition pieces 2 that are provided with end flanges 3, and inner flanges 4.

5 indicates ribs in the partition pieces. These partition pieces, and the parts thereof may be cast in one piece with the base-plate, or they may be made of suitable separate pieces of metal united together in any ordinary manner. Each pair of adjacent partition pieces, with the parts thereon just specified, constitutes a box for the reception of a pair of guides.

6 indicates a guide-piece provided with grooves 7 in its opposite edges. The grooves are designed to fit the opposite ribs of adjacent partition pieces, and to carry the guide firmly; but so that it may be readily removed for any

purpose. Between each pair of partition pieces, as illustrated, two such guide pieces are in practice employed.

A semi-cylindrical bore 8 is provided upon one side of each of the guides, so that when they are arranged in pairs they combine to form a central cylindrical guide opening, with- in which a shaft—not necessary to illustrate—moves. The guide pieces are preferably made of Babbitt metal, but any othersuitable material, as for example wood, or the like, may be employed. The guides in practice are forced back against the side flanges of the partition pieces, and ordinarily it is unnecessary to employ other means of fastening them in place; but if desired bolts may be used to secure the guide pieces to the base-plate.

What I claim is—

1. The combination with a base plate and series of partition pieces provided with end and inner flanges and ribs, of intermediate guide pieces provided with grooves in their edges adapted to receive the ribs of the partition pieces, and with semi-cylindrical bores located and arranged substantially as and for the purpose specified.

2. The combination with a base plate, of a box carried thereon, end and inner flanges on the box, and ribs adapted to receive and hold the guide pieces therein, substantially as and for the purpose specified.

In testimony of all which I have hereunto subscribed my name.

WILLIAM H. BROWN.

Witnesses:

DAVID SCOTT,
FRANK BRESEE.