To all whom it may concern:

Be it known that I, Thomas J. Sturtevant, a citizen of the United States, residing at Wellesley, in the county of Norfolk and State of Massachusetts, have invented or discovered certain new and useful Improvements in Jarring Mechanisms for Screening or Separating Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to that class of inclined screening or separating machines in which the screen are percussively jarred or vibrated, and the invention relates more particularly to certain improvements in the machine of the Bell and Sturtevant Patent No. 923,108, dated May 25, 1909, in which the screens are jarred from hammers or strikers arranged below the screens. The present improvement has special reference to the hammer or vibrating mechanism for percussively jarring the fine screens of the separators.

In accordance with the present invention the fine screen is percussively jarred from below by means of hinged hammers striking at intervals on the bottoms of springs mounted impact bars which strikingly support the screen or screens to be jarred.

The accompanying drawing is a detail view illustrating one of the improved jarring devices, a plurality of which will of course be used in each separating machine for jarring the screen or screens.

Referring to the drawing, 12 denotes the bottom of the screen box or casing to which is attached a hanger 13 a plurality of which will be provided for supporting a rotating shaft 14 provided with disks 15 to which are hinged hammers 16. Attached to the casing parts 12 is a support 17 through which extends an impact bar or pin 18 encircled by a supporting spring 19 which holds the screen, the impact bar is provided at its top with a head 19a between which said hammers are hinged or pivoted.

In testimony whereof I affix my signature.

THOMAS JOSEPH STURTEVANT.