THIS SHEET HAS BEEN REPLACED

ABSTRACT

An apparatus is disclosed of less mechanical rigidity and less strength for producing a mold. It includes a table (7) movable between an area where molding sand is fed and a mold-producing area for carrying a pattern plate (12) on which a flask (13) is mounted, a cylinder (9) for vertically moving the table, a closing cover (18) having an opening at the lower part thereof, the opening communicating with an upper opening of the flask, the closing cover having a stepped part such that the cross-sectional area of the lower part of the closing cover is smaller than that of the upper part thereof, at least one air-supply pipe (28) for communicating with the upper part of the closing cover, an air valve (29) for communicating with the air-supply pipe to introduce ambient air into the air-supply pipe, an opening (24) formed in an upper and side part of the closing cover for communicating with a vacuum source (27), and a press plate (23) suspended in the closing cover for a vertical movement such that the press plate can be airtightly inserted into the small lower part of the closing cover.

Fig. 2

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