

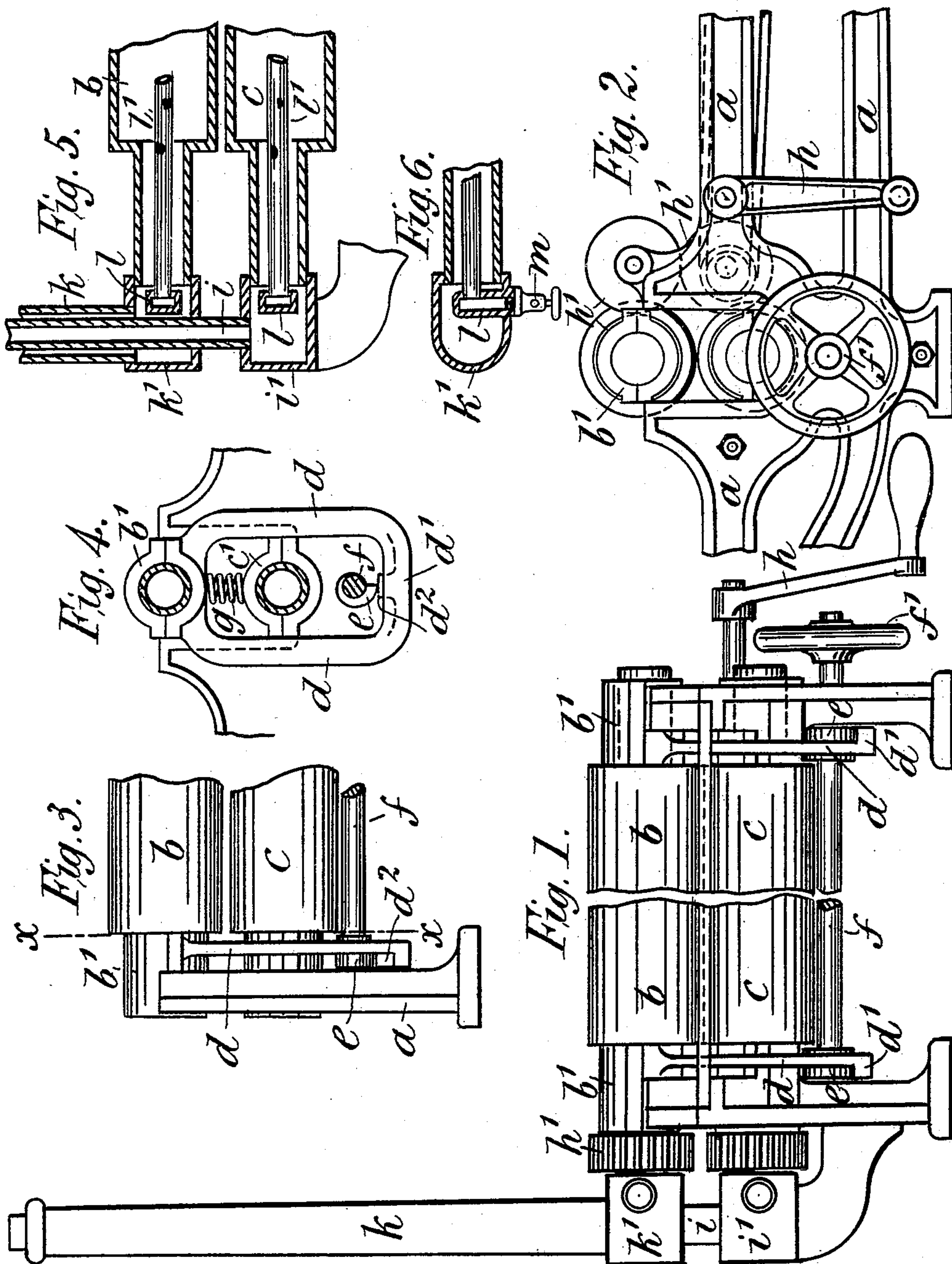
No. 626,720.

Patented June 13, 1899.

W. PRATT.
MACHINE FOR ROLLING PASTRY.

(Application filed Feb. 23, 1897.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

WILLEY PRATT, OF HALIFAX, ENGLAND.

MACHINE FOR ROLLING PASTRY.

SPECIFICATION forming part of Letters Patent No. 626,720, dated June 13, 1899.

Application filed February 23, 1897. Serial No. 624,716. (No model.)

To all whom it may concern:

Be it known that I, WILLEY PRATT, a subject of the Queen of Great Britain and Ireland, and a resident of 21 Milton Place, Halifax, in the county of York, England, have invented certain Improvements in Machines for Rolling Pastry, (for which I have obtained a patent in Great Britain, No. 1,392, bearing date January 20, 1896,) of which the following is a specification.

This invention relates to improvements in dough-brakes or pastry-rolling machines in which a pair of rollers revolving in suitable bearings mounted in a framework is driven by means of gear-wheels operated by a handle, pulley, or other suitable means for the purpose of rolling the dough or pastry into sheets, means being provided for rolling the said sheets to any desired thickness. The said rollers are made hollow for the purpose of heating them internally by means of gas-jets contained therein. The upper roller is mounted in bearings capable of vertical adjustment within guides formed in the end frames of the machine, while the bearings of the lower roller are fixed. The journal-boxes of the said upper roller are formed or provided with stirrups extending downward on each side of the bearings of the lower roller, the lower ends of the stirrups being connected by a cross-piece formed with a projection, against which bears a cam or scroll mounted upon each end of a shaft carried by the end frames underneath the lower roller. This shaft is operated by a hand-wheel at one end, so as to adjust by means of the said cams or scrolls the distance between the two rollers, according to the thickness of the dough to be rolled. Each of the rollers is provided with a chimney for the escape of the heating-gases, the chimney of the lower roller passing through that of the upper one. These chimneys are each connected with the hollow journal of its respective roller by means of a box forming an elbow-joint, and each burner or heating tube is fitted with a gas-regulator.

In the accompanying sheet of drawings, Figure 1 is an end elevation of my improved machine, showing the rollers broken for convenience; and Fig. 2 is a side elevation of this end of the machine. Fig. 3 is an elevation

at one end of the rollers, showing the adjusting mechanism; and Fig. 4 is a cross-section on line xx of Fig. 3. Fig. 5 is a longitudinal section showing the connection between the rollers and their chimneys, and Fig. 6 is a horizontal section thereof.

a is the frame of the machine, b the top roller, and c the bottom roller. The journal-boxes b' of the top roller are formed or provided with stirrups d , extending downward on each side of the bearings c' of the roller c , carried by the frames a , and the said stirrups are formed with or joined together at their lower ends by the cross-piece d' , as shown in Fig. 4.

$e e$ are the cams mounted on each end of the shaft f , carried by the frames underneath the roller c . The surfaces of the cams bear upon or engage with the projections d^2 , formed on the cross-pieces d' of the stirrups, so as in their revolution to operate the latter, and consequently the top roller b , bringing the latter nearer to or permitting it to recede farther from the roller c , the springs g between the said rollers causing the latter action. The cam-shaft f is operated by the hand-wheel f' , and by this means the distance between the rollers is adjusted according to the thickness it is desired to roll the dough.

The rollers b and c are operated by the hand-lever h and gearing h' , (shown in Figs. 1 and 2,) and they may be operated by steam or other power. The rollers are made hollow for internal heating, and each one is fitted with a chimney for the escape of the heated gases, the chimney i of the lower roller passing through the chimney k of the upper roller, as shown in the section Fig. 5. These chimneys are fixed, respectively, to the boxes $i' k'$, forming the elbows between them and the rollers, and as the upper roller moves up or down its chimney k moves over or slides upon the inner chimney i , a space being left between them for the passage of the gases from the upper roller. $l l$ are gas connections fitted in the said boxes or elbows and connected with the heating-tubes $l' l'$, passing through the rollers.

Gas-regulators m are fitted to each of the burners, as shown in Fig. 6.

Having now fully described the nature of

my said invention, what I claim, and desire to secure by Letters Patent, is—

In pastry-rolling machines the combination with the rollers *b* and *c* of the journal-boxes
5 *b'* and bearings *c'*, stirrups *d* formed with cross-pieces *d'* provided with projections *d''* cams or scrolls *e*, shaft *f* provided with a hand-wheel *f'*, springs *g*, hand-lever *h* and gearing

h' substantially as described and for the purposes specified. 10

In witness whereof I have hereunto set my hand in presence of two witnesses.

WILLEY PRATT.

Witnesses:

FREDK. PRATT,
EDGAR DEPLEDGE.