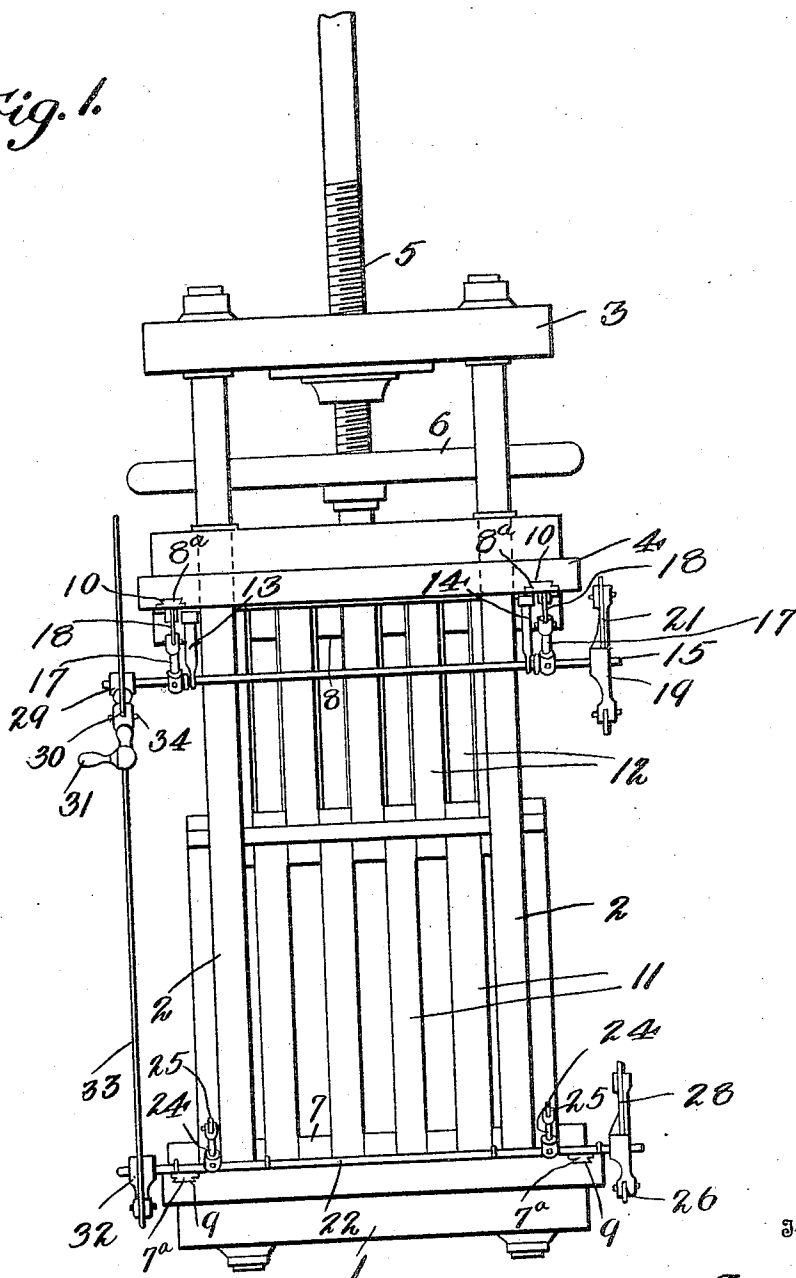


S. G. LIPSCHUTZ.
CIGAR PRESSER.
APPLICATION FILED MAY 17, 1909.

Patented Dec. 7, 1909.
2 SHEETS—SHEET 1.

942,397.

Fig. 1.



Inventor

Witnesses

Joe F. Collins
W. Randolph Jr.

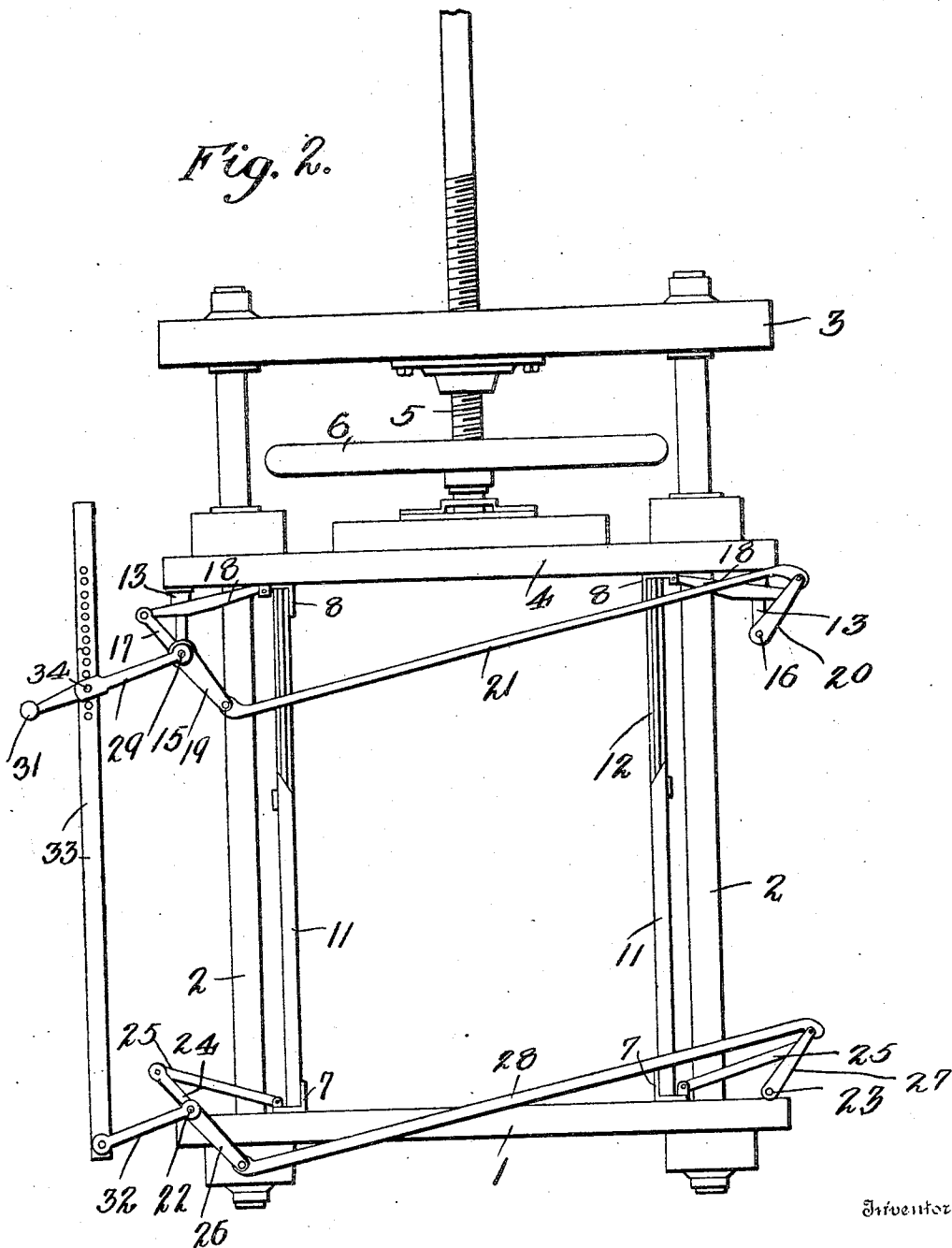
Solomon G. Lipschutz
By *L. A. Gouriet*
Attorney

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Fig. 2.



Inventor

Witnesses

Joe. Hollins.
W. Randolph Jr.

Oloman G. Lipschutz
By D. A. Gourick
Attorney

UNITED STATES PATENT OFFICE.

SOLOMON G. LIPSCHUTZ, OF PHILADELPHIA, PENNSYLVANIA.

CIGAR-PRESSER.

942,397.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed May 17, 1909. Serial No. 496,439.

To all whom it may concern:

Be it known that I, SOLOMON G. LIPSCHUTZ, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Cigar-Presses, of which the following is a specification.

My invention relates to presses for packing cigars in boxes and consists in providing in combination with a reciprocating plunger press collapsible partitions that are slidably mounted on the base and plunger, said partitions being connected with operating mechanism to simultaneously actuate them to gather the boxes into a compact mass before compression and hold during compression.

The construction of my improved press will be described in detail hereinafter and illustrated in the accompanying drawings in which—

Figure 1 is a side view of my improved press, and Fig. 2, an end view.

In the drawings similar reference characters indicate corresponding parts in both of the views.

1 indicates the base of my improved press to which is secured the pillars 2 supporting the top 3.

4 indicates the plunger slidably mounted on pillars 2 and actuated by means of screw 5 mounted in top 3 and rotatively secured to the plunger 4, said screw being actuated by hand wheel 6.

7 and 8 indicate angle iron bars slidably mounted by means of dovetail tongues 7^a and 8^a in dovetail grooves 9 in the upper face of base 1 and dovetail grooves 10 in the under surface of plunger 4 respectively.

11 indicates grooved pieces secured to angle bars 7 and spaced apart thereon and 12 tongued pieces secured to bars 8, spaced apart thereon and arranged in alinement with the spaces between pieces 11.

It will be understood from this description that as the plunger 4 is moved up and down on the pillars 2 the partitions formed by pieces 11 and 12 extend and contract.

13 and 14 indicate brackets secured adjacent to the ends of plunger 4 and having shafts 15 and 16 journaled thereon, said shafts having arms 17 secured thereto that are connected to angle bars 8 by means of links 18. 19 and 20 indicate other arms secured to shafts 15 and 16 respectively and 21 a rod connecting said arms. It will be

understood from this construction that when either shaft 15 or 16 is rocked the other shaft is simultaneously rocked and the angle bars 8 are moved toward or away from each other.

22 and 23 indicate shafts journaled adjacent to the ends of base 1 and having arms 24 secured thereto and connected to angle bars 7 by means of links 25. 26 and 27 indicate other arms secured to shafts 22 and 23, respectively, and 28 a rod connecting said arms to insure simultaneous rocking of the shafts 22 and 23 when either of them is rocked.

29 indicates a lever arm secured to shaft 15 and having a slot 30 therein and a handle 31 on its end; 32 an arm secured to shaft 22, 33 a rod pivotally secured to arm 32 and slidably mounted in slot 30 in arm 29 and secured to said arm by means of a pin 34 engaging alined holes in the arm and one of a series of holes 35 in the rod 33.

In operation the plunger 4 is raised and the cigars in boxes placed on base 1 between the partitions formed by tongue and grooved pieces 11, 12. When the boxes are in position these partitions are moved toward each other by securing pin 34 in the holes in arm 29 and one of the holes 35 in rod 33 and actuating the arm upwardly. This will rock shafts 15 and 22 and through the arms 19 and 20 secured to shafts 15 and 16 respectively, and the rod 21 connecting said arms will rock shaft 16, and through arms 26 and 27 secured to shafts 22 and 23 respectively, and rod 28 connecting said arms will rock the shaft 23. This will compress the boxes side wise to gather the boxes into a compact mass preparatory to compressing them. The pin 34 is then removed and the plunger 4 moved downwardly by rotating the screw 5. As the plunger moves downwardly, the partitions collapse, the pieces 11 and 12 sliding together and serve to keep the boxes in a compact mass.

Having thus described my invention what I claim is—

1. In a cigar press, in combination with a base and a plunger, collapsible partitions slidably mounted on said base and plunger.

2. In a cigar press, in combination with a base and a plunger having grooves, cross bars slidably mounted in said grooves, and collapsible partitions secured to said cross bars.

3. In a cigar press, in combination with a

base and a plunger, collapsible partitions consisting of tongue and grooved pieces secured to said base and plunger.

4. In a cigar press, in combination with a base and a plunger, cross bars slidably secured to said base and plunger, collapsible partitions secured to said cross bars, and mechanism to simultaneously move the cross bars toward or from one another.

5. In a cigar press, in combination with a base and a plunger having grooves therein, angle-iron cross bars slidably mounted in said grooves, and tongue and grooved pieces secured to said cross-bars.

6. In a cigar press, in combination with a base and a plunger, cross-bars slidably mounted thereon, rock shafts journaled on the base and plunger, operative connections between said shafts and cross-bars, and collapsible partitions secured to said cross-bars.

7. In a cigar press, in combination with a base and a plunger, cross-bars slidably mounted thereon, rock shafts journaled on the base and plunger, operative connections between said shafts and cross-bars to simultaneously actuate said cross bars toward one another, and partitions made of tongue and grooved pieces secured to said cross-bars.

8. In a cigar press, in combination with a base and a plunger, cross-bars slidably mounted thereon, rock shafts journaled on said base and plunger, arms secured to said rock shafts, links connecting said cross-bars and arms, other arms secured to said shafts, a rod connecting the last mentioned arms on the shafts journaled on the plunger, and a

rod connecting the last mentioned arms on the shafts journaled on the base, means to actuate the shafts simultaneously, and partitions consisting of interengaging tongue and grooved pieces secured to said cross-bars.

9. A cigar press comprising the combination with a base and a plunger having grooves, cross-bars slidably mounted in said grooves, tongue and groove pieces secured to the cross pieces and connecting them in pairs to form collapsible partitions, rock shafts journaled on said base and plunger, arms secured to said rock shafts, links connecting said cross-bars and arms, other arms secured to said shafts, a rod connecting the last mentioned arms on the shafts journaled on the plunger, and a rod connecting the last mentioned arms on the shafts journaled on the base, a lever arm secured to one of the shafts journaled on the plunger and having a slot therein and a transverse hole intersecting the slot, an arm secured to the corresponding shaft journaled on the base, a rod pivotally secured to the last mentioned arm and slidably mounted in the slot in the lever arm, said rod having a series of holes therein, and a pin removably and replaceably secured in the transverse hole in the lever arm and engaging one of the series of holes in the last mentioned rod.

In testimony whereof I hereto affix my signature in the presence of two witnesses.

SOLOMON G. LIPSCHUTZ.

Witnesses:

MAURICE G. WEINBERG,
JACOB S. KEATZOK.