

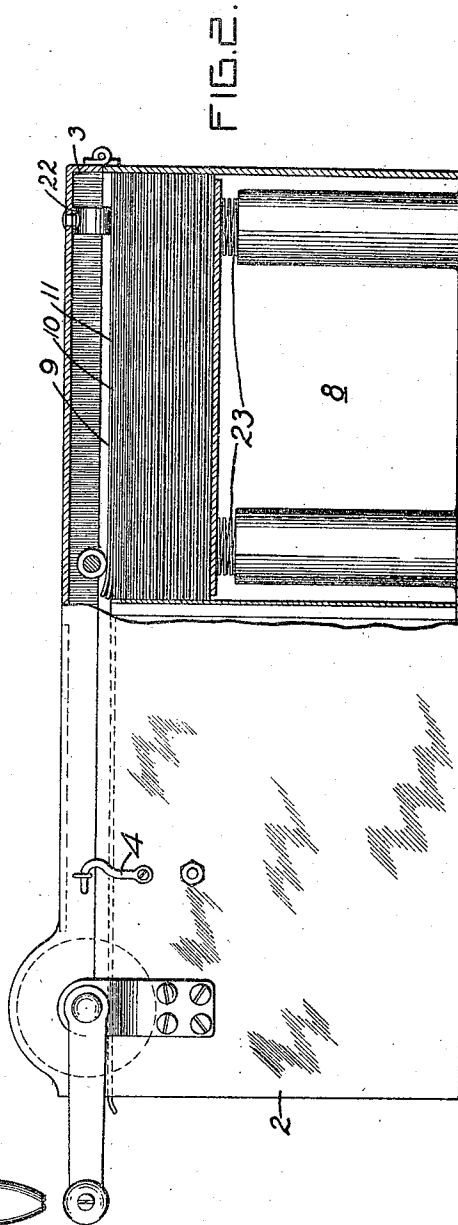
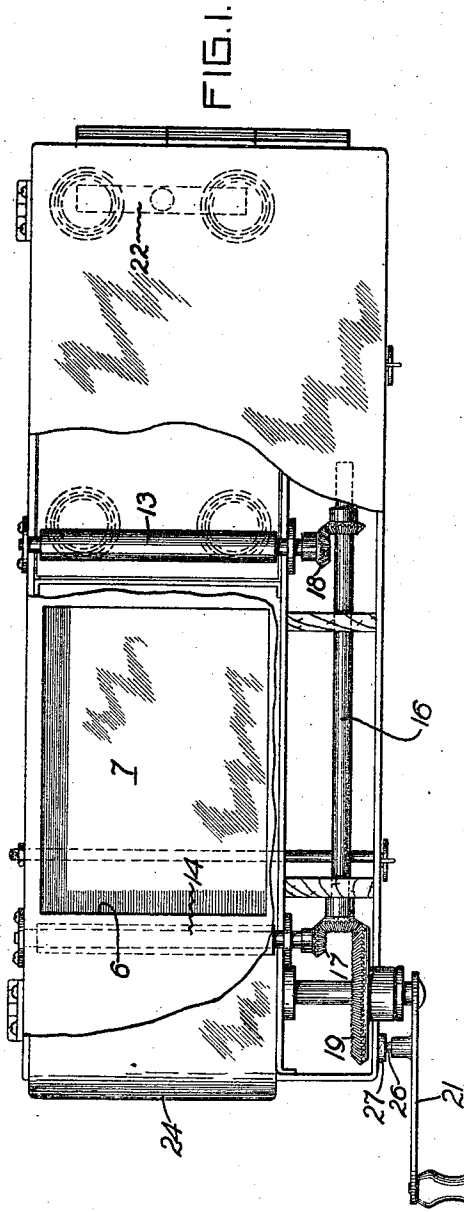
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E. J. DELSOL

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SALES REGISTER

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L. G. Sewanti.

INVENTOR
EMILE J. DELSOL.
BY *White, Root & Stearns*
his ATTORNEYS.

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UNITED STATES PATENT OFFICE.

EMILE J. DELSOL, OF OAKLAND, CALIFORNIA, ASSIGNOR OF ONE-HALF TO BERNARD
R. NIEDT, OF OAKLAND, CALIFORNIA.

SALES REGISTER.

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My invention relates to a sales register and particularly to loose leaf registers. One of the objects of the invention is the provision of a sales register in which the sales record
5 slips are arranged loosely in a pack, and on the operation of the register, are delivered in pairs to the platen of the machine and from the platen, out of the machine.

The invention possesses other objects and
10 features of advantage, some of which, with the foregoing, will be set forth in the following description of the preferred form of my invention which is illustrated in the drawings accompanying and forming part
15 of the specification. It is to be understood that I do not limit myself to the showing made by the said drawings and description, as I may adopt variations of the preferred form within the scope of my invention as
20 set forth in the claims.

Referring to the drawings:

Figure 1 is a plan view of my sales register, portions being broken away to disclose the structure.

25 Figure 2 is a side elevation of my sales register, a portion thereof being shown in section.

In terms of broad inclusion, my sales register comprises a casing having a hinged
30 top provided with an aperture, under which is a platen for supporting the sales slips when a record is to be made thereon. Adjacent the platen is a pack of separate sales slips of any desired arrangement of spaces
35 and columns. Between pairs of slips is disposed a material having two functions; first, that of a transfer material, so that what is written on the top sheet of the pair is also transcribed upon the lower sheet of the pair;
40 second, to produce a greater cohesion between the sheets of a pair than between adjacent pairs. Means are provided, engaging the upper sheet of the pack, for feeding the upper pair of sheets from the pack to the
45 platen, and from the platen, out of the machine, the difference in the cohesion between the first and second sheets and the second and third sheets, being sufficiently great to
50 cause the second sheet to be carried along with the first sheet, altho only the first sheet is in contact with the feeding means.

More particularly, my sales register comprises a casing 2 having a hinged cover 3
fastened by any suitable means, such as a
55 latch 4. The cover is provided with an aper-

ture 6 below which is a platen 7 upon which the sales slips lie when the record is being written thereon. To one side of the platen the casing is provided with a chamber 8 in which a pack of loose sales record slips are
60 arranged. The slips 9 and 10 are arranged in pairs with a material such as a carbon preparation 11 on the back of the upper sheet of each pair, so that there is a certain amount of cohesion or frictional resistance
65 between the sheets of the pair which is greater than the cohesion between the plain paper surfaces of adjacent pairs.

Extending transversely across the pack of
slips is a rubber faced roller 13, closely ad-
70 jacent to the bottom edge of the platen, and adjacent the opposite edge of the platen is a similar roller 14. Both rollers are connected by suitable gearing to the shaft 16, the gear 17 on the roller 14 being of smaller
75 diameter than the gear 18 on the roller 13, so that with rotation of the shaft 16, the roller 14 will revolve at a slightly higher peripheral speed than the roller 13. The shaft
16 is rotated by means of the gear 19 and
80 crank 21, suitably journaled in the casing.

A flat spring 22, secured on the under side of the cover, presses lightly upon the pack at the opposite end from the roller 13, and
85 springs 23 in the bottom of the casing, press the pack upwardly against the roller 13 and spring 22. A discharge aperture and lip 24 is provided for the discharge of the slips from the casing.

When the casing is loaded with a pack of
90 sales record slips, as shown in Figure 2, rotation of the crank 21 causes the roller 13 to carry the first pair of sheets forwardly upon the platen 7, so that it is in position to have the items of the sale entered thereon. The
95 proportion of the various parts is such that one complete revolution of the crank 21 carries the sheets from the pack to position on the platen. A spring pressed round headed
100 pin 26, adapted to engage a recessed boss 27, may be arranged on the crank to indicate the stopping point. After the record has been entered on the sheets, a second complete revolution of the crank 21 feeds a second pair of sheets upon the platen, and at
105 the same time, carries the first pair forwardly out of the machine. Because of the higher speed of rotation of the roller 14, there is no possibility of overlapping the sheets. As fast as the sheets are fed off the
110

top of the pack, the springs 23 function to keep the pack pressed upwardly so that the roller 13 maintains a substantially constant frictional hold upon the sheet lying against it, down to the last pair of sheets on the pack.

I claim:—

1. A sales register comprising a casing formed with an aperture, a platen below the aperture, a chamber adjacent the platen for holding a pack of loose sales record sheets, means interposed between the sheets of pairs of sheets to cause greater cohesion between the sheets of a pair than between adjacent pairs, and means frictionally engaging the upper sheet for feeding the upper pair of sheets upon the platen.

2. A sales register comprising a casing formed with an aperture, a platen below the aperture, a chamber adjacent the platen for holding a pack of loose sales record sheets, means interposed between the sheets of pairs of sheets to cause greater cohesion between the sheets of a pair than between adjacent pairs, means frictionally engaging the upper sheet on the pack for feeding the upper pair of sheets upon the platen, and means frictionally engaging the upper sheet on the platen for feeding the pair of sheets on the platen out of said casing.

3. A sales register comprising a casing formed with an aperture, a platen below the aperture, a chamber adjacent the platen for holding a pack of loose sales record sheets,

means frictionally engaging the upper sheet on the pack for feeding the upper pair of sheets upon the platen, and means frictionally engaging the upper sheet on the platen for feeding the pair of sheets on the platen out of said casing at a speed greater than that of the pair of sheets being fed to the platen.

4. A sales register comprising a casing formed with an aperture, a platen below the aperture, a chamber adjacent the platen for holding a pack of loose sales record sheets, a feed roller disposed across the pack, springs for pressing the pack against the roller, a second feed roller disposed across the platen, and means including a crank for operating said rollers together, the second roller at a higher peripheral speed than the first roller.

5. A sales register comprising a casing formed with an aperture, a platen below the aperture, a chamber adjacent the platen for holding a pack of loose sales record sheets, a feed roller disposed across the pack adjacent the platen, a spring disposed across the pack at the opposite end, springs below the pack for pressing it upwardly against the roller and first named spring, a second feed roller disposed across the platen, and means for rotating the rollers together.

In testimony whereof, I have hereunto set my hand.

EMILE J. DELSOL.