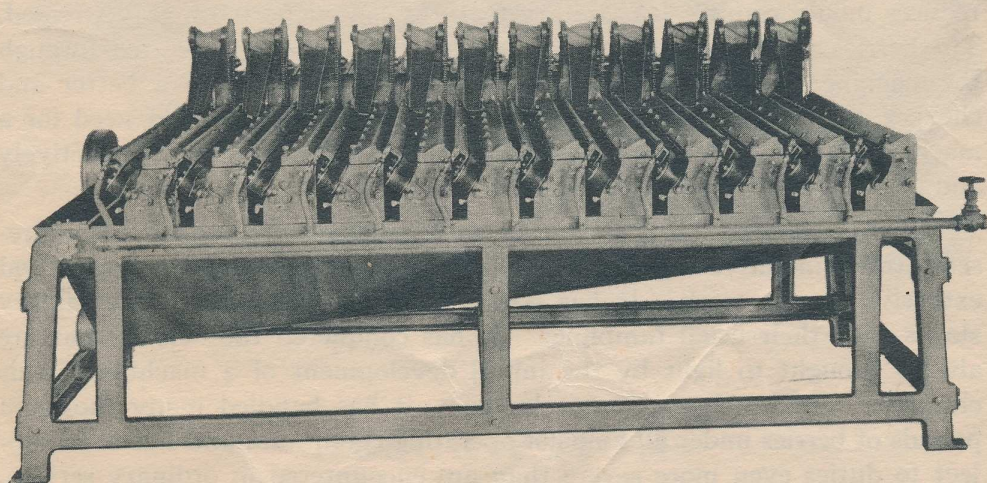


Strawberry Capper



Manufactured by

FAY & SCOTT

DEXTER, MAINE

U. S. A.

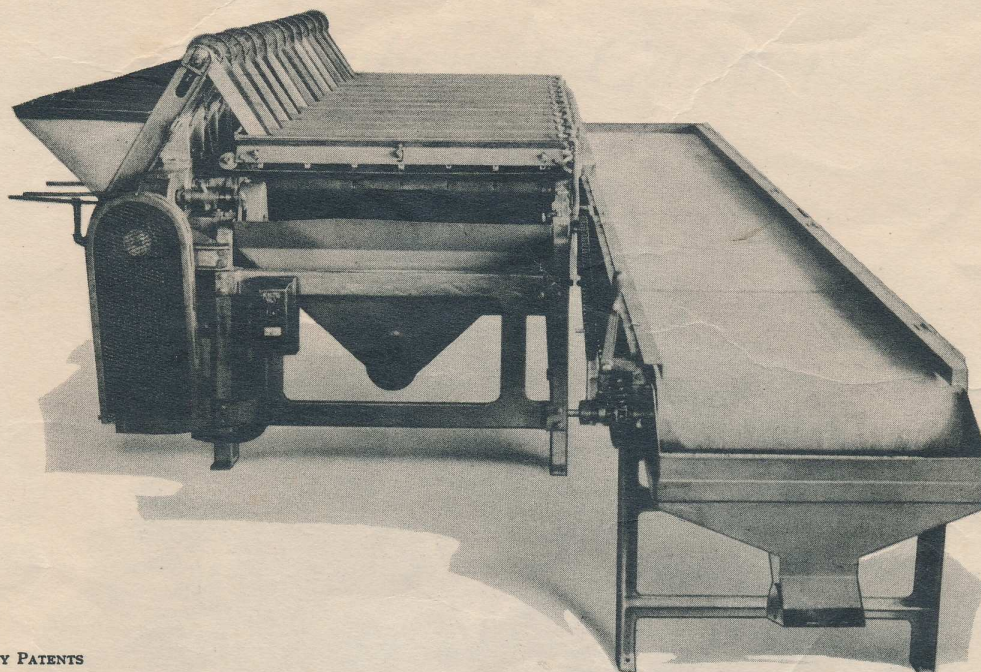
Foreword

The Strawberry Capper represents one of the greatest achievements of Science in this Machine Age.

It puts into effect one of the few greatly advanced methods that have been developed for Packers in this generation. Its principles of operation are unique and are scientifically correct. It automatically provides for the variation in size and shape of berries, capping them uniformly and without mutilation. It substitutes mechanical accuracy and speed for the uncertain results obtained by hand labor. It saves much in berries and labor. It preserves color, flavor and firmness of berries, eliminates soft spots and reduces mould count. Its sanitary features cannot be too highly stressed. The berries are automatically capped and washed as they are fed through the machine, without the necessity of handling. It permits a better and cheaper operating system. In short, it responds to the urgent need for a machine that will fulfil the requirements of the modern plant more effectively and more economically.

The Strawberry Capper is a finished mechanical product. It represents the cumulative experience of many years of exhaustive research and extensive service work. It has passed through those hectic preliminary stages with their usual fumbings. It has conquered the defects that are always brought to light by the initial development of a machine of this character. In its thorough development, it has handled many thousand pounds of berries under all kinds of operating conditions, and has been subject to duties even more severe than are encountered in ordinary service. Its performances have surpassed everyone's most sanguine expectations, eliciting the unqualified commendation and approval of leading Packers, and disinterested and satisfied users.

The Strawberry Capper is one of the finest built machines ever offered to the Packing Industry. In accordance with the most modern engineering practice, it is assembled in units, all of which are readily accessible, quickly removable, and independent of each other. All units are dowelled in place and ample provision is made for interchangeability of parts. All important bearings are bronze bushed, having long life and easily replaced. The important gears of the machine are heat treated, completely encased and thoroughly lubricated. The Capper constitutes a distinct step forward, both functionally and mechanically, that invites the attention of the discriminating Packer.



FULLY PROTECTED BY PATENTS

DESCRIPTION

The Machine illustrated, is comprised of twelve FEEDING and CAPPING Units driven from one shaft, but each self-contained and individually controlled by means of a clutch lever located conveniently for the Operator.

This size machine is adopted as standard for Bulk Plants, as an economical size to install and operate, but principally because it represents the capacity of one Operator to feed. It can be furnished in single units, or any number to meet requirements, for Hotel or Restaurant use.

The Unit DRIVE consists of a worm and worm gear with ball thrust, running in bath of oil, and a clutch for immediately engaging or disengaging same.

The FEED consists of a stainless steel hopper of several quarts capacity, and an elevator with belt on which are diagonal flights, which feed the berries continuously and uniformly onto the capper rolls.

The CAPPING mechanism consists of a series of perpendicular corrugated rubber belts, on top of which is operated a fluted stainless steel roll, driven by contact with the rubber belts. This contact forms the Bite which caps the berries.

Adjacent to the Bite formed by the capping roll, a conveyor belt runs longitudinally and transversely inclined, forming a V-shaped trough. As the berries travel along this trough,

being tumbled as they go, they will at some point in their journey, occupy such a position that the stem or cap is caught and stripped from the berry. This action is assisted by jets of water which buffet the berries and at the same time, give them a thorough washing. The caps and stems are simply pinched off, without mutilation, and the berries continue their journey along the rolls until they are discharged from the end of the belt onto the inspection table.

Adjustment of the position of the conveyor belt in relation to the Bite is provided, to accommodate uniformly large or small berries, but sufficient flexibility exists to take care of the average variation in size. The capper roll is of such small size that the Bite is not sufficient to mutilate or permit the berries to be drawn in.

Weight, 5000 pounds. Floor space 150 square feet. Size motor, 3 HP—1800 R.P.M.

Capacity per unit per minute, one quart.

Capacity twelve unit machine, 720 quarts per hour or 7200 quarts, per ten hour day. This is equivalent to 225 crates of 32 quarts each. Allowing $8\frac{1}{2}$ crates to the barrel, the capacity is about $26\frac{1}{2}$ barrels per day. These figures represent average production from continuous operation.

