

1. A package forming machine system for feeding a continuous web provided from a supply roll through a tubular member folding over and sealing the web edges longitudinally, and thereafter for transversely processing and sealing the web to form a sequence of packages by a processor mechanism transversely engaging the web as the web is fed past the forming member in tubular form, said processor mechanism comprising in combination,

intermittently operated web transport means for pulling the web through the system constituting a reciprocable carriage mechanism pivotable about an axis and having mounted thereon remote from the pivot axis a pair of movable jaws for reciprocating as the carriage mechanism is pivoted and operable for gripping during only one direction of reciprocation said longitudinally sealed web and pulling off a length of web from said supply roll, motive means for relatively moving said jaws into and out of engagement with said web on opposite sides thereof in a plane substantially perpendicular to the web comprising a reciprocable member providing motive power for moving said jaws in and out of said engagement during said one direction of engagement,

a pivot axis perpendicular to the plane of movement of the jaws carried by said carriage mechanism, a rocker member with opposed arms extending from said pivot axis and pivotable about said axis connected for rotation through a reciprocating cycle arc of less than 360° by said reciprocable member, and a link connecting either rocker arm respectively to one of said jaws for moving them simultaneously toward and away from engagement with the web in response to reciprocation of said reciprocable member, wherein the linkage lengths and jaw movement are related so that the rocker arm extends the links to a position substantially along a straight line as the jaws engage said web, thereby to provide high pressure on the jaws with relatively small power produced by said motive means.

2. The system as defined in claim 1 including means for advancing the web a predetermined length and control means coupled to operate said reciprocal member for grasping said web once during each web advance.

3. The system as defined in claim 1 wherein the web is of a thermo-set characteristic including a heated member for engaging the web as the jaws move into engagement thereby to form a transverse seal between two web layers.

4. The system defined in claim 1 wherein the jaws have mounted therein three members longitudinally spaced along the web travel path comprising a heated

sealing member, a knife and a cold web gripping member.

5. The system as defined in claim 1 wherein a knife is mounted on said jaws to cut the web as the jaws move into engagement.

6. The system defined in claim 5 including means mounted in the jaws to seal the web together transversely as the jaws close wherein the knife is held for movement with said jaw only when engaged by a selectively operable knife engagement member, and means for operating said engagement member cyclically in response to longitudinal movement of said web thereby to permit at least two sequential packages to be sealed by the sealing means in adjacent positions along the web before the knife is engaged to cut the web.

7. A package forming machine system for feeding a continuous web provided from a supply roll through a tubular member folding over and sealing the web edges longitudinally, and thereafter for transversely processing and sealing the web to form a sequence of packages by a processor mechanism transversely engaging the web as the web is fed past the forming member in tubular form, said processor mechanism comprising in combination,

intermittently operated web transport means for pulling the web through the system constituting a reciprocable carriage mechanism having mounted thereon a pair of movable jaws for gripping during only one direction of reciprocation said longitudinally sealed web and pulling off a length of web from said supply roll, motive means for relatively moving said jaws into and out of engagement with said web on opposite sides thereof comprising a reciprocable member providing motive power for moving said jaws in and out of said engagement during said one direction of engagement,

a pivot axis within said carriage mechanism, a rocker member with opposed arms extending from said pivot axis and pivotable about said axis connected for rotation through a reciprocating cycle arc of less than 360° by said reciprocable member, and a link connecting either rocker arm respectively to one of said jaws for moving them simultaneously toward and away from engagement with the web in response to reciprocation of said reciprocable member,

wherein a stripper spring member is coupled for compression when the jaws are moved into engagement, and switching means for reversing the operation of said reciprocable member is coupled for operation when the stripper spring is compressed during movement of the jaws over its stroke before engagement of the jaws thereby to prevent movement of the jaws into engagement when a foreign object comes between the jaws.

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