

tially as described. 2nd. In a truck, a spring supporting frame supported upon the running gear by saddles and having sections extending outwardly from the axles, a movable frame having like extensions, spiral springs located between the saddles and movable frame, and elliptical springs located between the spring supported frame and the movable frame, substantially as described. 3rd. In a truck, a stationary frame supported upon the running gear of said truck having sections extending outwardly from the axles, a movable frame carried by said truck, springs located between the stationary and movable frames and between the extended sections of both frames, and a brace for said extended sections of the stationary frame, secured to said extended sections and supported upon the running gear of the truck, substantially as described. 4th. In a truck, a stationary frame supported on its running gear by saddles and having sections extending outwardly from the axles, a movable frame with extending sections, springs located between the stationary and movable frames and between their extended sections, and a brace for said extended sections of the stationary frame, secured to such sections and supported upon the said saddles, substantially as described. 5th. In a truck, a stationary frame having sections extending outwardly from the axles, saddles secured to stationary frame and supported on the axle boxes, a movable frame having outwardly extending sections, spiral springs located between the saddles and the movable frame and the extended sections of the stationary frame, and a brace for said extended sections, supported upon the saddles, the ends of which are secured to said extended sections, substantially as described. 6th. A spring supporting frame for a truck, comprising the saddles adapted to straddle the axle boxes, longitudinally extending beams extending between and secured to said saddles, additional beams secured to and extending outwardly from said saddles, and a brace supported upon said saddles and secured at its outer ends to the outwardly extending beams, substantially as described. 7th. A spring supporting frame for a truck, comprising the saddles 6 and 7, having projections for supporting the truck springs, outwardly extending lugs 49 on the saddles, central sections 12 of the side beams, secured to the saddles, outwardly extending sections 13, 14 of the side beams, secured to the said saddles, cross bars 15, 16 uniting the ends of the side beam sections, lugs 48 on the sections 13, 14 of the side beams, a brace 50 secured to said lugs 48 and extending over the lugs 49 on the saddles, and a turn buckle 51 for tightening said braces, substantially as described. 8th. In a truck, a spring supporting frame supported upon the running gear by saddles and having sections extending outwardly from the axles, a movable frame having like extensions, spiral springs located between the saddles and movable frame, and elliptical springs located between the spring supporting frame and the movable frame, and braces for the extended ends of the spring supporting frame secured thereto and resting on the saddles, substantially as described. 9th. In a truck, the combination of two frames, one stationary and supported upon the running gear, the other movable, and a plurality of springs located between the stationary and movable frames, some of said series being adapted to be compressed by the downward movement of said movable frame subsequent to the compression of other, of the series, substantially as described. 10th. In a truck, the combination of two frames, one stationary and supported upon the running gear of the truck, the other adapted to be moved toward said stationary frame, springs located between the ends of both frames, and springs otherwise disposed between the two frames, the end springs being adapted to be compressed subsequent to the compression of the other springs, substantially as described. 11th. In a truck, a stationary spring supporting frame having at its ends elliptical springs rigidly secured thereto, in combination with a movable frame supported by springs other than said elliptical springs, said movable frame being provided with devices for engaging said elliptical springs, the elliptical springs being adapted to be brought into action subsequent to the springs supporting the movable frame, substantially as described. 12th. In a truck, a spring supporting stationary frame mounted on the running gear of said truck, said frame being composed of a plurality of bars contiguously disposed, a saddle secured to the outer sections of said bars, an elliptical spring, the lower section of which rests upon said saddle, and a second saddle disposed over the first and the spring and secured to the first saddle, a movable frame, and a spring supported on the stationary frame and having devices for guiding the upper section of the elliptical spring, substantially as described. 13th. In a truck, the combination of two frames, the one stationary and supported upon the running gear, the other movable, said stationary frame having the contiguously disposed beams 14, a saddle 35, closed at the top and having legs 36 secured to the beams 14 and projections 38, a second saddle closed at the top and secured to the projections 38, an elliptical spring 34 held between the two saddles, and a cap 45 having downwardly extending legs 46 secured to the movable frame, the ends of which engage the upper section of said elliptical spring, substantially as described. 14th. A truck having running gear and a frame, and spiral springs for supporting the car body, supplemented by elliptical springs adapted to co-act therewith, the spirals being adapted to be compressed prior to the ellipticals, substantially as described. 15th. A truck having side beams disposed about the axle boxes, and a brace extending between the axle boxes and secured to the side beams, substantially as described. 16th. A truck having side beams disposed about the axle boxes, and a brace supported upon or above the axle boxes and secured to the side beams, substantially as described. 17th. The upper chord having the depending

cap 45, with downwardly extending legs 46, and elliptical springs held on the side beams adapted to move in said cap, substantially as described. 18th. The saddle 35, having the legs 36 secured to the side beams, and projections 38, and the waddle 34, provided with projections 42, secured to like parts on the saddle 35, substantially as described. 19th. The side beams on the axle boxes, axle box saddles 6, 7, having the lugs or projections 49 above the axle boxes, and a brace supported thereon and secured to the side beams, substantially as described. 20th. A truck having side beams disposed about the axle boxes, a brace supported upon or above the axle boxes, extending between them and secured thereto, and means for tightening the said brace, substantially as described. 21st. The side beams intermittent about the axle boxes, saddles for supporting the side beams on the axle boxes, and a brace supported on the saddles above the side beams and secured to the side beams, substantially as described. 22nd. The saddles 6, 7, supported on the axle boxes, lugs 49 on the saddles, side beam sections 12, 13, 14 secured to the saddles, and a brace 50 supported on the lugs 49 and secured to the sections 13, 14 of the side beams, substantially as described. 23rd. A frame for a truck, comprising the saddles 6, 7, having projections for supporting the truck springs, lugs 49 on the saddles, central side beam sections 12 secured to the saddles, outwardly extending side beam sections 13, 14 secured to the saddles, and a brace 50 secured to the sections 13, 14, and supported on the lugs 49 of the saddles, substantially as described. 24th. A frame for a truck, comprising the saddles 6, 7, having projections for supporting the truck springs, lugs 49 on the saddles, central side beam sections 12 secured to the saddles, outwardly extending side beam sections 13, 14 secured to the saddles, a brace 50 secured to the side beam sections 13, 14, and on the lugs 49, and a turn buckle 51 for tightening said brace, substantially as described. 25th. The saddles 6, 7, straddling the axle boxes and open below the same, lugs 49 on the saddles, side beam sections 12, 13, 14 secured to the saddles, and a brace 50 secured to the side beam sections 13, 14, and supported on the lugs 49, substantially as described. 26th. The saddle 35 secured to the side beams, the saddle 40 secured to the saddle 35, and an upwardly extending elliptical spring held between the two saddles, substantially as described. 27th. In a truck, a stationary spring supporting frame mounted on the running gear of said truck, having outwardly extending sections and elliptical springs secured to the stationary frame, and a movable frame spring supported upon the said stationary frame, having a device for guiding the upper portion of the elliptical springs, substantially as described. 28th. Side beams secured upon the running gear and extending past the same, and a brace detachably supported upon the running gear or a portion thereof and secured to the extended ends of the side beams, substantially as described.

No. 40,828. Envelope. (*Enveloppe*.)

Samuel Cupples, assignee of James West, both of St. Louis, Missouri, U.S.A., 2nd November, 1892; 6 years.

Claim.—1st. The within described process of manufacture of envelopes, consisting in depositing intermitting lines of paste upon the opposite edges of a continuous strip of paper of uniform width, then forming continuous intumed flanges by turning in said edges against the body of the strip, then depositing other intermitting lines of paste upon the outer faces of the intumed flanges, then folding a portion of the paper upon a transverse line over and upon the other portion, then creasing the strip transversely opposite the edge of the turned down portion and finally severing the strip beyond said crease to form the flap, substantially as described. 2nd. The method of applying the gum to the strip at *z*, Figs. 12 and 13, and drying the same prior to cutting the strip transversely. 3rd. In a machine for making envelopes, the combination, of a support for a roll of paper, pasters arranged to apply paste at corresponding intervals on the opposite edges of the strip of paper as it travels through the machine, an edge folder blade whereby the opposite edges are turned in and down upon the body of the strip, pasters whereby the faces of the intumed flanges are coated with paste, a transverse folder whereby the sheet is doubled upon a transverse line at the termination of each of the inner lines of paste, a creasing device arranged to crease the paper transversely near the edge of the part folded over and a cutter arranged to sever the sheet transversely beyond the said edge, and paper folding rolls, substantially as described. 4th. The combination, with the pasters, one of which has curved type for part of a circle, edge and transverse folders and cutter, of a creaser arranged to crease the sheet adjacent to the edge of the back portion of the envelope, substantially as described. 5th. The combination, in an envelope machine, of an edge folder and rolls carrying pasters, a transverse folder, a creaser and a cutter, the first paster arranged to deposit lines of paste at intervals upon the opposite edges of a continuously moving sheet of paper, the edge folder arranged to turn in the said edges forming flanges, the second paster arranged to apply paste to said flanges, the transverse folder turning the end of the strip over onto the body to form the back of the envelope, the creaser creasing the strip adjacent to the edge of the said back and the cutter severing the strip transversely beyond said crease, substantially as described. 6th. The combination, in an envelope machine, of rolls carrying two sets of pasters, an edge folder arranged between the rolls and a transverse folder, creaser and cutter, substantially as described. 7th. The combination with the pasting roller, and with