To all whom it may concern:

Be it known that I, CHARLES S. BATDORE, a citizen of the United States, residing at Brooklyn, Kings county, State of New York, have invented certain new and useful Improvements in Coin-Package Wrappers, of which the following is a full, clear, and exact description.

My invention relates to coin package wrappers and is particularly concerned with a construction of wrapper or cover which is described in my co-pending application Serial No. 331,850, filed August 24th, 1906, for a coin handling machine, of which application this application is a division.

The object of the invention is to provide a wrapper which may be conveniently laid about a stack of coins or other like articles, and the side edges of the wrapper secured over, or, as indicated in the application above referred to, may be crimped upon the ends of the stack so that the articles at the ends of the stack will be exposed to view.

A further object is to so construct the wrapper that in molding or rolling the same about the stack the opposite ends of the wrapper strip about the stack will be drawn tightly longitudinally of the stack by reason of the crimping operation, so that the rear end of the wrapper strip or that last laid upon the stack will not bulge at the longitudinal center of the stack.

With these objects in view, the invention consists in the construction of a wrapper, the preferred embodiment of which is illustrated in the accompanying drawings, in which—

Figure 1 is a view of a wrapper embodying my invention. Fig. 2 represents a vertical section view of so much of the coin wrapping machine illustrated in my co-pending application above referred to as is necessary to illustrate the construction and arrangement, in a coin wrapping machine, of the knife for cutting this wrapper. Fig. 3 is a front view of the parts shown in Fig. 2, showing the outline of the knife edge for cutting this wrapper. Fig. 4 is a view of the completed package showing the spiral arrangement of the diagonal end when the wrapper is laid about the package.

Referring to Fig. 1, 1 indicates the wrapper strip, having substantially parallel side edges 2—2 having the ends 3—3 likewise parallel and cut diagonally with respect to 55 the side edges or on the bias. By this construction, the end of the wrapper which first engages the stack presents a more or less pointed portion 4 to the wrapping rolls 5 of the machine, as described in my co-pending application Serial No. 331,850 above referred to, which seize said pointed end and carry the same about the stack of articles to be wrapped. In so doing, the wrapper is held between the stack of coins and the wrapping rolls, whereby the latter exert more or less of a pull not only along the side edges 2—2, but along the line of the diagonal end 3, whereby said end is drawn tightly against the stack and is held against bulging at the longitudinal center of the wrapper.

The pull exerted upon the wrapper strip by the wrapping rolls, as described, draws the wrapper strip over the diagonal edge 6 of the depending knife 7 of the machine and causes said diagonal edge to sever the strip along the diagonal line 3 of the wrapper (Fig. 1).

The machine of the application referred to is provided with crimping fingers 8, which operate, as therein described, to turn the ends of the wrapper over the end faces of the coins, as indicated at 9 (Fig. 4). By thus crimping or precuring the ends of the wrapper over the faces of the coins at the ends of the package, the rear diagonal end 3 is drawn tightly and snugly against the package so that it will not bulge at the longitudinal center of the stack, and this rear edge lies in a spiral line 10 around the package (Fig. 4).

The roll 11, from which the wrappers are cut, may be held in a suitable trough-like support 12, and is fed between feed rolls 13 over the knife, all as described in my co-pending application above referred to. The wrapping rolls 5 are mounted in adjustable arms 14 and the knife may be mounted upon an adjustable shaft 15. The crimping fingers may be carried by adjustable blocks 16, actuated by cam wheel 17 acting on the crimper arms 18.

All of the parts of the machine herein described are and may be of the construction illustrated in my co-pending application, and, as therein described, may be provided with means for adjusting them to handle
coins of different diameter and of different thickness as well as to handle stacks of coins of different lengths containing different numbers of coins of the same denomination or the same number of coins of different denominations.

While the wrapper above described is intended primarily to be used in conjunction with a machine such as that described in my co-pending application above referred to, it is to be understood that the invention is not limited to such use, but that the wrapper is to be used in any relation in which it can be successfully and practically manipulated.

When used with the machine, it is found in practice to be desirable to make the wrappers for the different denominations of coin of such lengths respectively that when each is rolled about a stack of coins of the size for which it is intended, the length of the wrapper shall be such that the diagonal ends shall not overlap. That is to say, the spiral line around the package formed by the outer diagonal edge shall lie coincident with the spiral line of the inner edge around the coins. This is preferable, for the reason that if the ends do overlap, the wrapper will present more thicknesses of material around the package at one side than the other, which sometimes results in the bending or breaking of the crimpler fingers which crimp in the edges of the wrapper over the faces of the coins at the ends of the package. The adjustment of the knife for forming different lengths of wrappers, therefore, is determined accurately by the diameter of the package and the number of layers of the wrapper thereon. In practice, I have found that two complete turns of the wrapper material about the coins is sufficient to form a secure and durable package.

What I claim is:

1. A wrapper having its opposite ends cut on substantially parallel lines diagonally of the length of the wrapper, whereby when said wrapper is rolled about the articles to be wrapped, said end edges will both be drawn snugly against said articles longitudinally of the package, said wrapper having its sides crimped over the faces of the articles to lock the wrapper thereon.

2. A coin wrapper formed from a rhomboidal shaped piece of paper rolled into a tube, the roll beginning with one acute angle and ending with the other, all the planes passing through the axis of the tubes being perpendicular to two edges of the paper.

3. A coin wrapper formed from a rhomboidal shaped piece of paper rolled into a tube and crimped at its ends, the tube being so rolled that the ends of the tube will be in parallel planes before it is crimped.

4. In a coin package, a wrapper comprising a strip formed from a web of paper having parallel sides by severance along diagonal parallel lines thereby to form a wrapper with straight parallel sides and parallel ends, each of said ends being at different angles relatively to such parallel straight sides, the severed edges of the wrapper turned inward over the faces of the coin to lock the wrapper thereon.

5. In a coin package, a wrapper comprising a strip having parallel straight sides and parallel ends, said ends being at an obtuse angle to one side and an acute angle to the other, the parallel straight edges of the strip being turned inward or crimped to lock the wrapper over the faces of the coin.

6. A coin package wrapper having parallel side edges and parallel end edges, said end edges being arranged diagonally of the length of the wrapper or on the bias, and the length of the wrapper being such that when coiled about a stack of coins said end edges will follow substantially coincident spiral lines about the coin stack.

Witnesses:

R. C. Powell,
Charles A. Peard.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."