

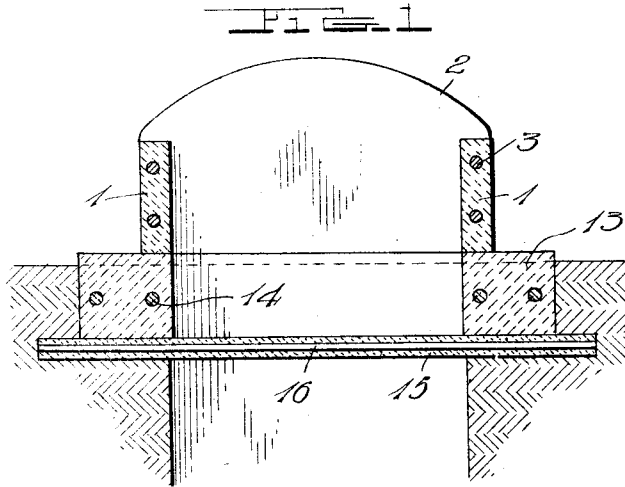
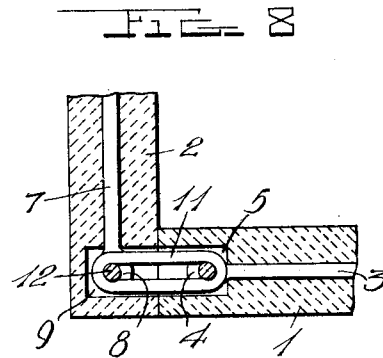
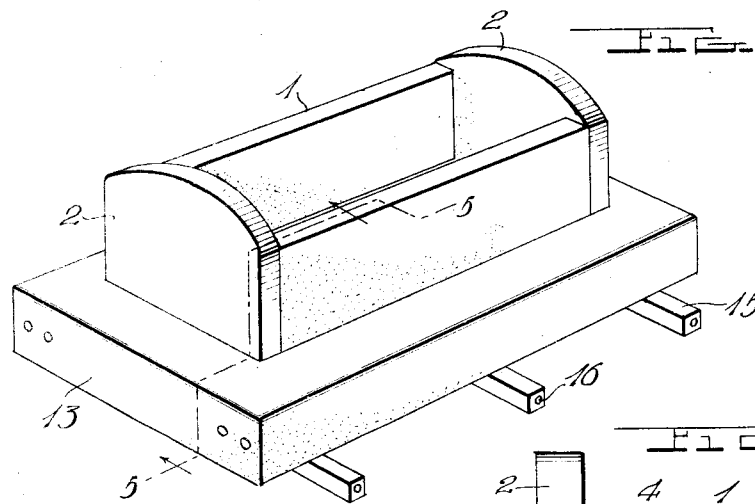
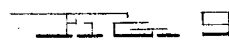
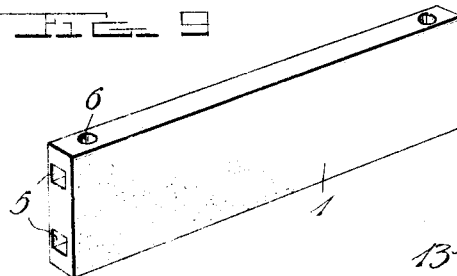
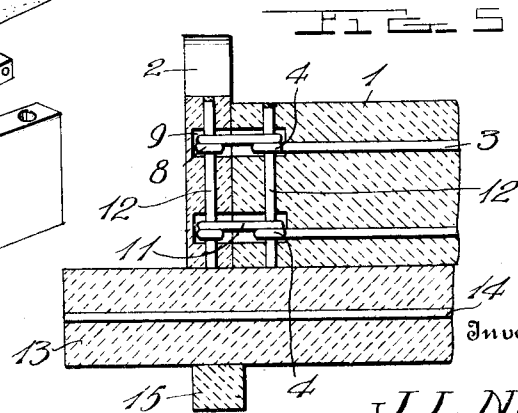
J. L. NOLL.
GRAVE COPING.

APPLICATION FILED NOV. 7, 1912

1,066,416.

Patented July 1, 1913.

2 SHEETS-SHEET 1.



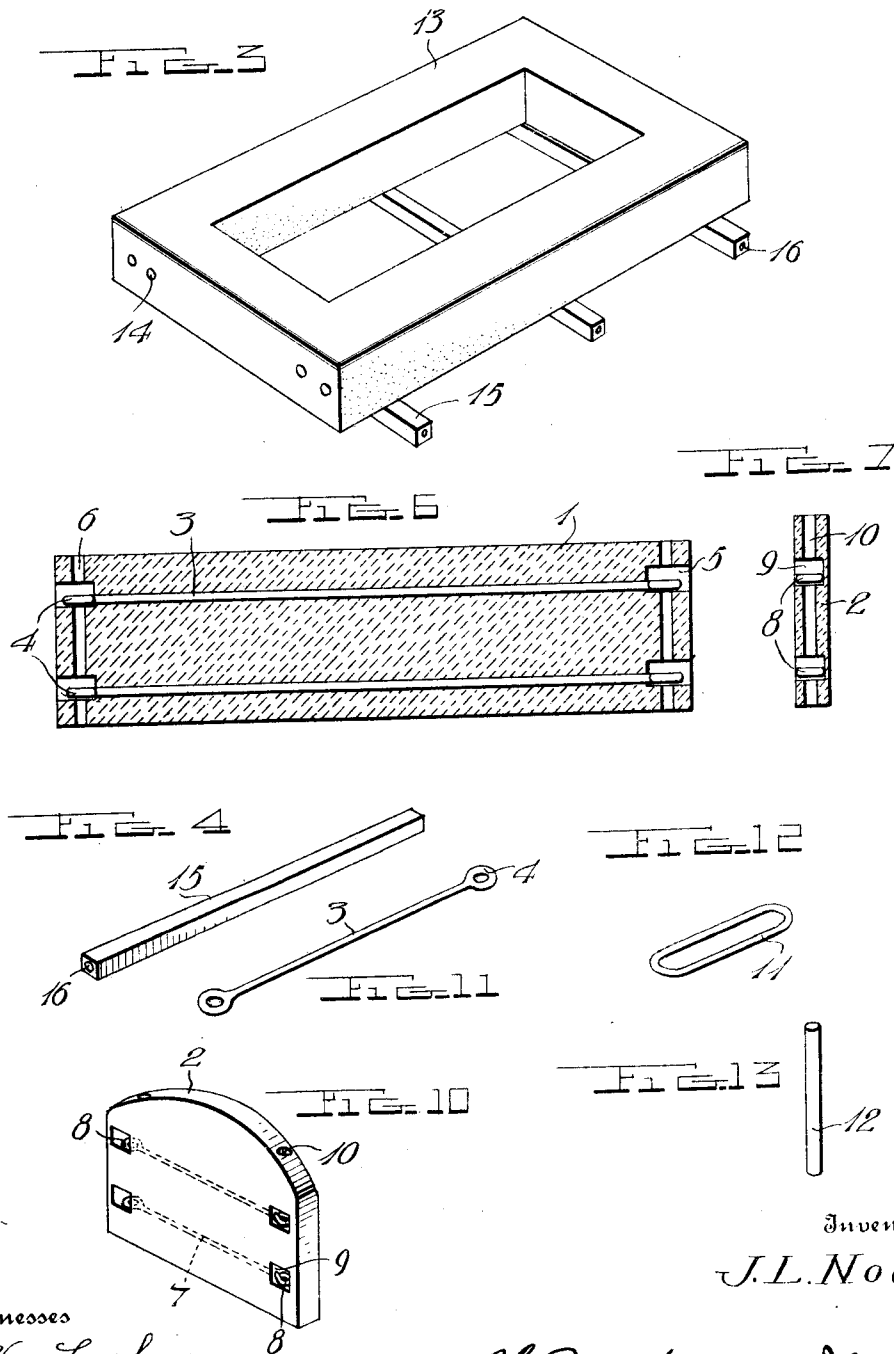
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UNITED STATES PATENT OFFICE.

JOHN LOUIS NOLL, OF ST. JACOB, ILLINOIS.

GRAVE-COPING.

1,066,416.

Specification of Letters Patent.

Patented July 1, 1913.

Application filed November 7, 1912. Serial No. 730,064.

To all whom it may concern:

Be it known that I, JOHN LOUIS NOLL, a citizen of the United States, residing at St. Jacob, in the county of Madison and State of Illinois, have invented certain new and useful Improvements in Grave-Copings; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to reinforced concrete grave copings or mound guards.

One object of the invention is to provide a coping or mound guard of this character formed in sections and having an improved means for securely fastening the sections together to form the guard.

Another object is to provide a grave coping having an improved arrangement of supporting means to prevent the grave from settling.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings: Figure 1 is a vertical cross section of the upper portion of a grave showing my improved coping applied thereto; Fig. 2 is a perspective view of the coping and its supporting devices as when arranged for use; Fig. 3 is a similar view of the coping supporting frame; Fig. 4 is a similar view of one of the coping supporting bars; Fig. 5 is a detail vertical sectional view of one corner of the coping taken on the line 4-4 of Fig. 2; Fig. 6 is a vertical longitudinal section of one of the side pieces of the coping. Fig. 7 is a vertical cross section through one of the end pieces of the coping showing the reinforcing rods and link receiving sockets therein; Fig. 8 is an enlarged horizontal sectional view through the engaging ends of one of the side and end pieces of the coping showing more particularly the manner in which the same are connected; Fig. 9 is a perspective view of one of the side pieces of the coping; Fig. 10 is a similar view of one of the end pieces thereof; Fig. 11 is a perspective view of one of the reinforcing rods of the side and end pieces; Fig. 12 is a similar view of one of the connecting links for the reinforcing rods; Fig. 13 is a

similar view of one of the pins for connecting the links and reinforcing rods.

My improved coping or guard comprises side pieces 1 and end pieces 2. The pieces 1 and 2 are in the form of concrete slabs of any suitable width. The end 2 forming the head and foot sections of the guard may if desired have their upper edges formed more or less ornamental or may be arched or rounded on their upper edges to conform to the curvature of the grave mound. In the side bars 1 are embedded reinforcing rods 3 in the ends of which are formed eyes 4. In the ends of the side pieces 1 are square sockets 5 in which the eyes on the ends of the rods 3 are disposed and in said ends of the side bars are also formed vertical passages 6 which intersect the sockets 5 and also communicate or register with the eyes 4 in the ends of the rods 3 as shown. In the end pieces 2 are also embedded reinforcing rods 7 which terminate at their ends in eyes 8 said eyes being disposed in square sockets 9 formed in said end pieces and opening through the inner sides thereof as shown. In the end pieces 2 are also formed vertical passages 10 which intersect the sockets 9 and also register with the eyes 8 in the ends of the reinforcing rods 7. The sockets 9 in the end pieces 2 are arranged in such positions that when said end pieces are engaged with the ends of the side pieces 1 the sockets in said end and side pieces will register.

In order to securely fasten the end and side pieces together when assembled to form the coping, I provide connecting links 11 the ends of which are engaged with the sockets 5 and 9 in the ends of the side and end pieces when said pieces are brought together. The ends of the links 11 when thus arranged will also aline with the eyes 4 and 8 on the ends of the reinforcing rods 3 and 7 and with the passages 6 and 10 in said side and end pieces. When the links 11 are thus brought into position, locking pins 12 are inserted in the passages 6 and 10 and through the registering eyes 4 and 8 in the reinforcing rods 3 and 7 thereby connecting the reinforcing rods of the side and end pieces and firmly securing said pieces together. After the connecting rods have thus been engaged with the reinforcing rods and links in the manner described the upper end of the passages 6 and 10 are closed by

cement or other plastic material, thus preventing the removal of the pins and separation of the side and end pieces of the coping.

In order to prevent the settling of the coping when placed around the upper end of the grave, I provide a supporting frame 13 which is also in the form of a concrete slab and has embedded therein suitable reinforcing rods 14. The outside dimensions of the frame 13 are somewhat greater than the outside dimensions of the coping so that the frame projects some distance beyond the sides of the coping as shown. The inside dimensions of the frame or the edges of the opening therein preferably correspond to the size of the opening or inclosure formed by the coping which is placed on the frame or slab 13 and which in practice may be placed on the ground around the upper edge of the grave or may be set into the ground to a greater or less depth as desired. The frame or slab 13 when thus arranged forms a support for the coping and the latter and said frame are further supported and positively prevented from settling by means of a series of supporting bars 15 which are also preferably formed of concrete and provided with suitable reinforcing rods 16 embedded therein as shown. The bars 15 are of greater length than the width of the supporting frame or slab 13 and have their ends projecting beyond the side edges of said frame and into the solid earth surrounding the grave, said bars being disposed across the grave and having their ends embedded in the ground at a suitable distance below the surface as clearly shown in Fig. 1 of the drawings.

In assembling and arranging the coping the bars 15 are first placed across the grave and have their ends embedded in the ground at the opposite sides of the grave. After the bars are thus arranged the supporting plate or slab 13 is placed in position thereon and the coping placed in position on the frame. The side and end pieces of the coping may be assembled and fastened together in the manner described after being placed on the

frame or slab 13 or said side and end pieces of the coping may be previously assembled and fastened together and the coping placed bodily on the frame. The coping when thus arranged will provide an efficient support for the earth forming the mound above the grave and will guard and protect the latter as well as forming an ornamental border for the grave.

From the foregoing description taken in connection with the accompanying drawings the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described my invention, what I claim is:

A coping of the character described comprising concrete side and end pieces having in their ends horizontally disposed sockets and vertically disposed passages intersecting said sockets, reinforcing rods embedded in said side and end pieces, eyes formed on the ends of said reinforcing rods and disposed in said sockets and in alinement with the passages intersecting the sockets, connecting links having their ends engaged with said sockets and registering with the eyes on said reinforcing rods and with the vertical passages in said pieces, and connecting pins adapted to be inserted in said passages and engaged with the eyes for the ends of the reinforcing rods and with the ends of said links whereby said side and end pieces of the coping are securely fastened together.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN LOUIS NOLL.

Witnesses:

OSCAR APPEL,
FRANK PIKE.