

C. P. PRICE.
CEMENT SEAT.
APPLICATION FILED AUG. 8, 1908.

948,770.

Patented Feb. 8, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

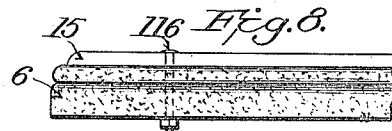
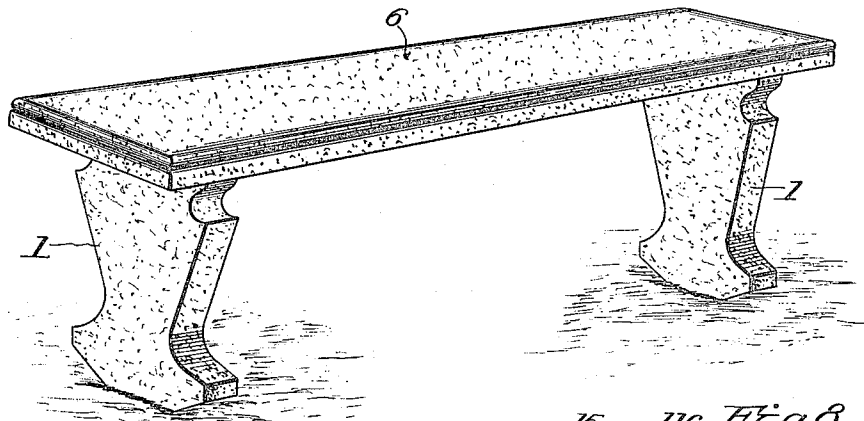
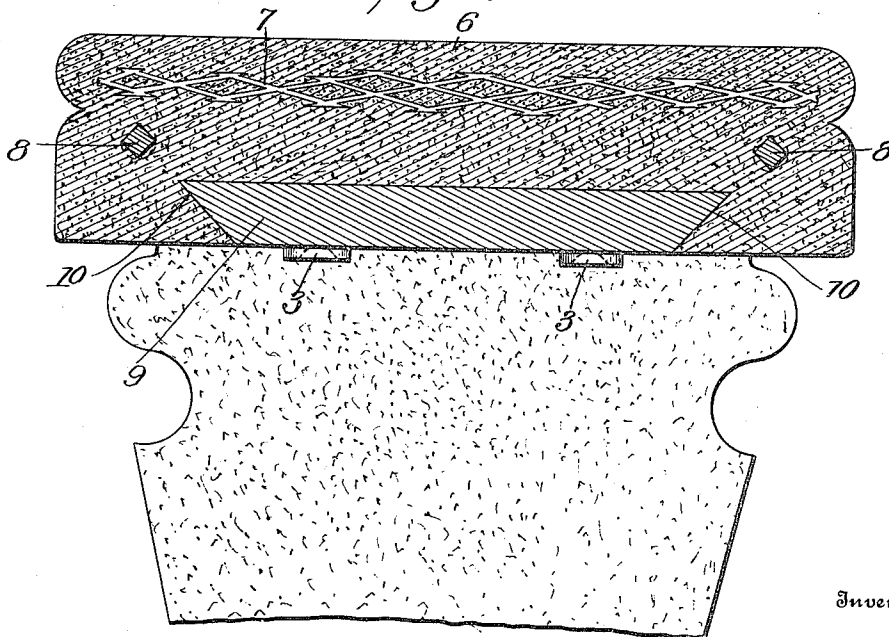


Fig. 2.



Inventor

Witnesses
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By

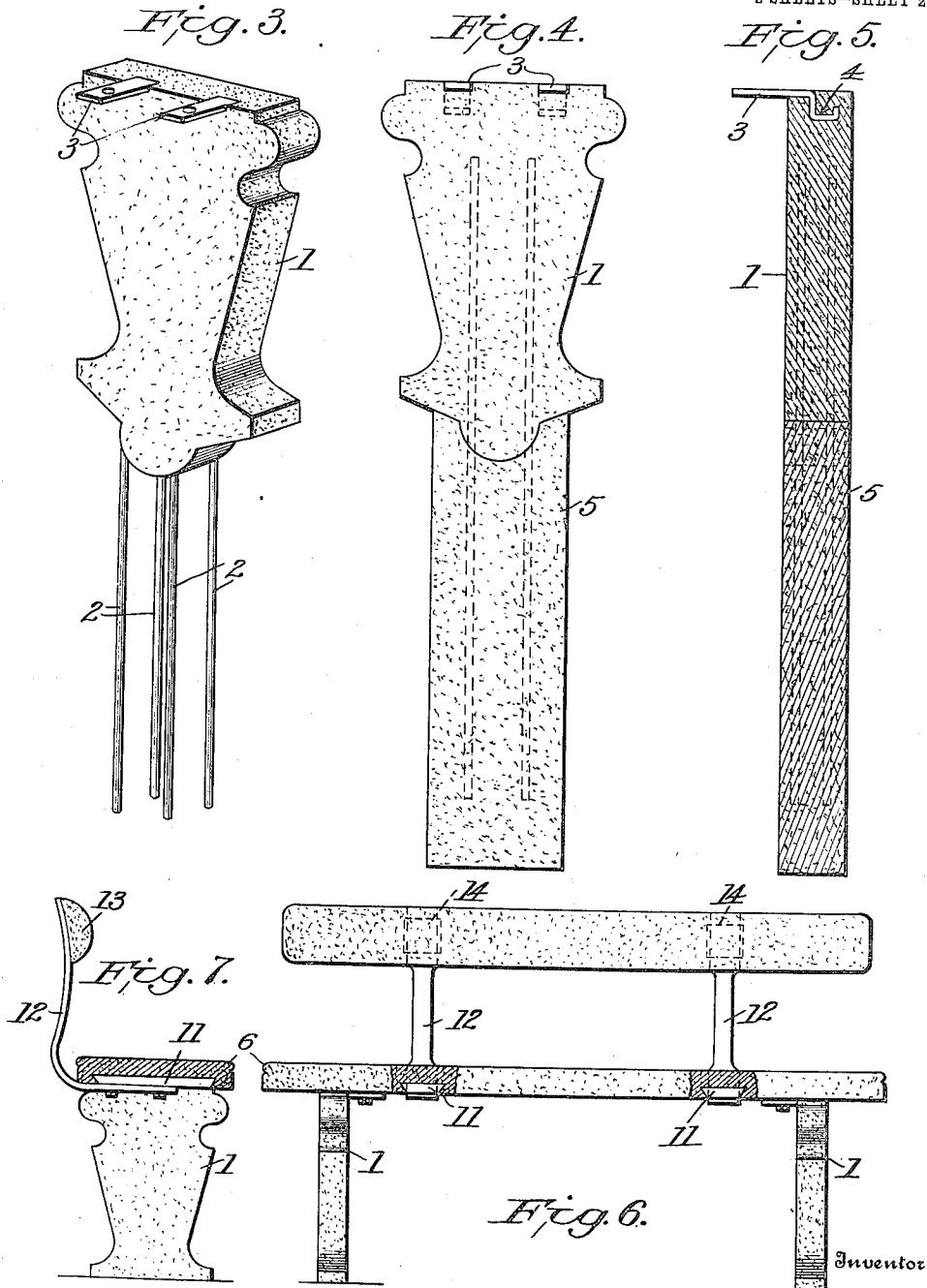
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UNITED STATES PATENT OFFICE.

CHARLES P. PRICE, OF MALDEN, MASSACHUSETTS.

CEMENT SEAT.

948,770.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES P. PRICE, a citizen of the United States, residing at Malden, in the county of Middlesex, State of Massachusetts, have invented certain new and useful Improvements in Cement Seats; of which the following is a description, reference being had to the accompanying drawing, and to the figures of reference marked thereon.

My invention relates to new and useful improvements in seats, tables, or the like, and more especially to structures of this character which are to be exposed to the deteriorating effects of the elements, such as seats for parks.

An object of my invention is to provide a seat constructed mainly of cement, which shall be durable and which may also be made at a small cost.

A further object of my invention is to provide a cement pedestal or supporting post for a seat in which the head of the pedestal and the supporting post are formed integral and with reinforcing rods extending through the head into the post.

A further object of my invention is to provide a cement seat with a slab or seat portion which is reinforced by metal strengthening members.

A still further object of my invention will in part be obvious and will in part be hereinafter more fully described.

In the drawings which show by way of illustration one embodiment of my invention,—Figure 1 is a perspective view of a seat or table embodying my improvements. Fig. 2 is an enlarged transverse sectional view of the same. Fig. 3 is a perspective view of the pedestal, showing the strengthening rods extending therefrom, about which the post for the pedestal is cast. Fig. 4 is a side elevation of one of the supporting posts and pedestals. Fig. 5 is a sectional view of the same. Fig. 6 shows a seat embodying my improvements, with a supporting back attached thereto, and with certain parts in section. Fig. 7 is an end view of the seat shown in Fig. 6, with certain parts in section. Fig. 8 is a detail view showing a wooden protecting strip which may be attached to the seat proper, when desired.

In carrying out my invention, I first cast a pedestal 1 made in the form shown in the drawings, or of any other desired form. In the mold in which the pedestal is cast,

I place preferably four reinforcing rods 2, 2, 2, 2. Said rods extend up into the pedestal substantially to the upper end thereof, and extend down through the lower end of the pedestal any desired distance. I also cast into the pedestal, retaining clips or irons 3, 3. Each of said clips as shown in the drawings, is provided with a shank portion 4, which is bent downwardly, then laterally, and then upwardly, so as to be firmly embedded in the cement structure forming the pedestal. It is obvious however, that the shape of the retaining clip may be varied, the essential feature being to properly anchor the retaining clip in the body of the cement.

After having formed the pedestal with the projecting strengthening rods as shown in Fig. 3, said pedestal may have its outer surface finished or treated in any desired way. This pedestal has then a depending post 5 cast thereto, as shown in Fig. 4. Said post surrounds the strengthening rods 2, which preferably extend nearly to the bottom of the post. This post is made of cement but the outer surface thereof does not need to be dressed or treated in any way, as the post when in use, is embedded entirely in the ground with the pedestal alone extending above the surface of the ground. It will be noted that the pedestal is of greater width than the post 5 which depends therefrom, thus forming shoulders which will engage the surface of the ground and tend to hold the pedestal from sinking farther into the ground. The seat proper or slab 6, is also cast from cement, and is preferably provided with a reinforcing member 7, which is embedded in the cement and extends substantially the entire length and width of the slab. As shown in the drawings, said reinforcing member 7 is made of expanded metal, although it is obvious that any other suitable reinforcing material may be used. I have also provided my slab with rods 8, 8 which are located near the sides of the slab and are parallel thereto. Said rods 8, serve as an additional means for reinforcing and strengthening the slab. In casting the slab, a wooden block 9 is cast into said slab as shown in Fig. 2. The ends of said block are preferably tapered as shown at 10, so as to firmly hold said block in its seat in said slab. It is obvious however, that any other desired securing means may be embedded in the slab for holding the block

in place. A block 9 is embedded in the slab near each end thereof, so that when the slab is placed upon two spaced pedestals, said blocks will be so positioned as to receive securing screws which may be passed through openings in the retaining clips or irons 3. As shown in Figs. 6 and 7, the seat is also provided with a back. I have shown the slab in these views as provided with additional blocks 11, 11, which are cast into the slab and held therein preferably in the same manner as the block 9.

Brackets 12, 12, either of cast iron or other metal may be secured to the blocks 11, and are so shaped as to project upwardly above the slab. The back of the seat 13 as shown in the drawings, is also made of cement and is also provided with a suitable block 14 as shown in dotted lines in Fig. 6, to which the brackets 12 may be secured. It is obvious however, that the back 13 may be made of wood or metal if desired. During excessive cold periods, it may be desired to cover the slab of the seat with a wooden protecting strip.

In Fig. 8, I have shown a strip 15 which may be placed on the slab 6 and secured thereto by suitable retaining bolts 16.

It is obvious that minor changes in the details of construction and in the configuration of the parts may be made, without departing from the spirit of my invention.

Having thus particularly described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A cement seat including in combination, spaced supporting pedestals, depending posts formed integral with said pedestals, a cement slab resting on said supporting pedestals, said slab having a metal reinforce extending substantially throughout its entire width and length and means for connecting said slab to said pedestals.

2. A cement seat including in combination, spaced supporting pedestals, depending posts formed integral with said pedestals, a cement slab resting on said supporting pedestals, said slab having cast therein, a metal reinforcing member, extending substantially throughout its entire length and width, reinforcing rods extending longitudinally of said slab and located adjacent the sides thereof and means for connecting said slab to said pedestals.

3. The combination of spaced cement pedestals, depending posts formed integral with said pedestals a cement slab secured to said pedestals and having blocks of wood embedded therein, means for connecting said pedestals to said cement slab brackets secured to said blocks of wood and projecting above said slab and a back secured to said brackets.

4. The combination with cement pedestals, depending posts formed integral with said

pedestals a cement slab resting on said pedestals, means for connecting said pedestals to the cement slab blocks of wood embedded in said slab, metal brackets secured to said blocks of wood, and projecting upwardly above said slab, a cement back having blocks of wood embedded therein to which said brackets are secured.

5. The combination of a pedestal having strengthening rods embedded therein, retaining clips embedded in said pedestal, a cement supporting post cast to said pedestal and surrounding said rods, a cement slab adapted to rest on said pedestals, blocks of wood embedded in said slab, to which said retaining clips may be attached, said slab having an expanded metal reinforcing strip extending substantially throughout its entire length and width, and strengthening rods running longitudinally of said slab.

6. The combination of a cement pedestal, having strengthening rods embedded therein, retaining clips embedded in said pedestal, a cement supporting post cast to said pedestal and surrounding said rods, a cement slab adapted to rest on said pedestals, blocks of wood embedded in said slab, to which said retaining clips may be attached, said slab having an expanded metal reinforcing strip extending substantially throughout its entire length and width, and strengthening rods running longitudinally of said slab, wooden blocks embedded in the lower side of said slab, metallic brackets secured to said wooden blocks and projecting above said slab and a cement back having wooden blocks embedded therein, to which said brackets are attached.

7. A cement seat including in combination, spaced supporting pedestals, posts formed integral with said pedestals, reinforcing rods extending from said pedestal into said posts, each of said posts being of less width than the attached pedestal, a cement slab resting on said supporting pedestals, said slab having a metal reinforce extending throughout its entire width and length, and means for connecting said slab to said pedestals.

8. A cement seat including in combination, a cement top slab and spaced supporting cement pedestals therefor, and clips for attaching said pedestals to said top, consisting of flat metal strips each having a horizontal portion flush with the top of a pedestal and detachably attached to the under surface of the top slab, and each bent downwardly and then horizontally at one end, said bent end being embedded in the cement pedestal.

9. In a seat, a cement top slab and a layer of wood covering the top thereof, and detachably secured thereto by means of bolts passing vertically through both the wooden layer and the cement slab.

10. In a seat, a cement top slab and spaced supporting pedestals therefor, said cement slab being comparatively thin with respect to its length and width and reinforced by
5 a horizontal layer of expanded metal, of approximately the same area, and embedded therein just beneath the top surface thereof, and two horizontal parallel metal rods running lengthwise through the slab near

the side edges thereof, and about midway 10 between the top and bottom surfaces.

In testimony whereof I affix my signature, in presence of two witnesses.

CHARLES P. PRICE.

Witnesses:

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NOËL T. WELLMAN.