

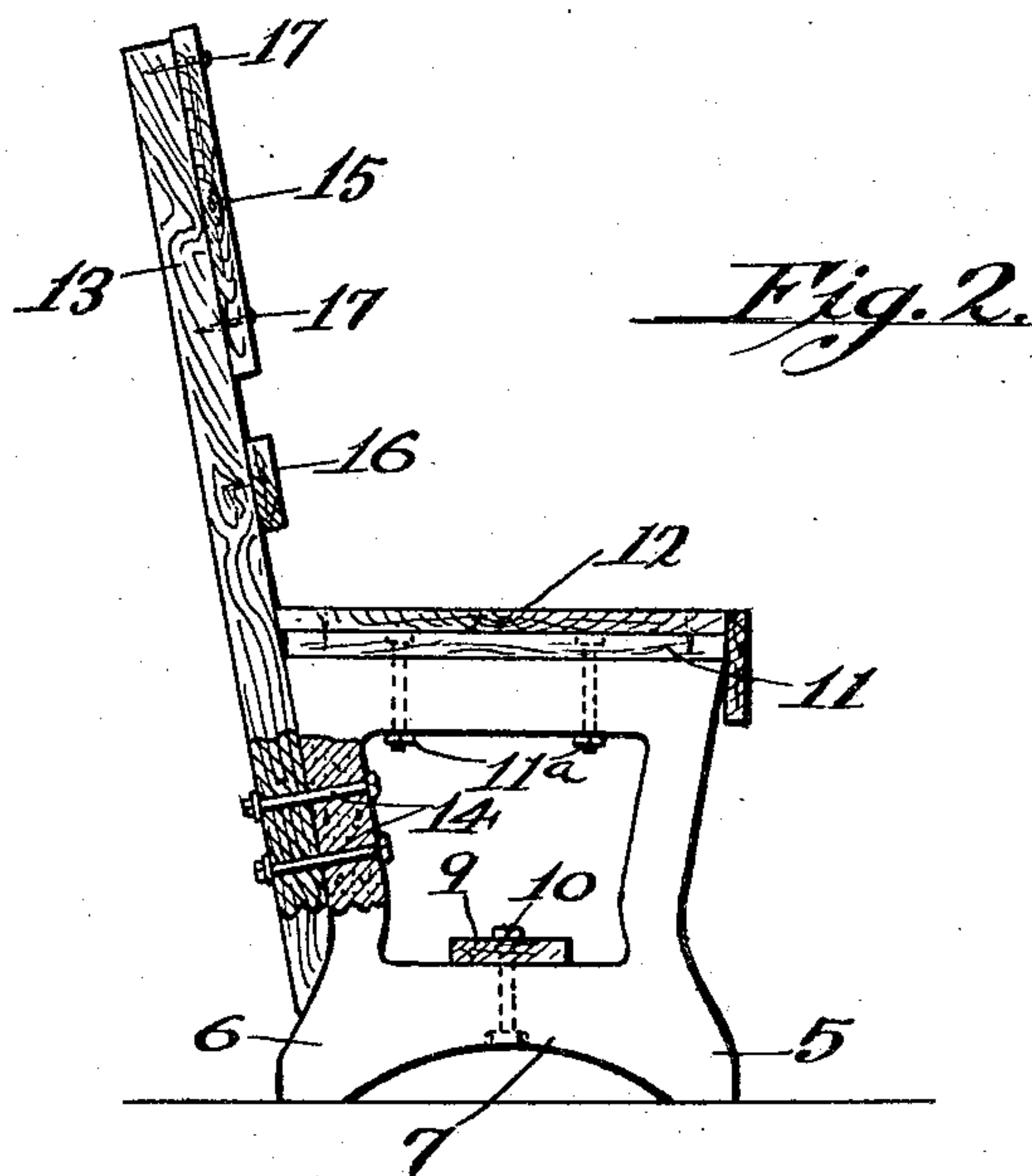
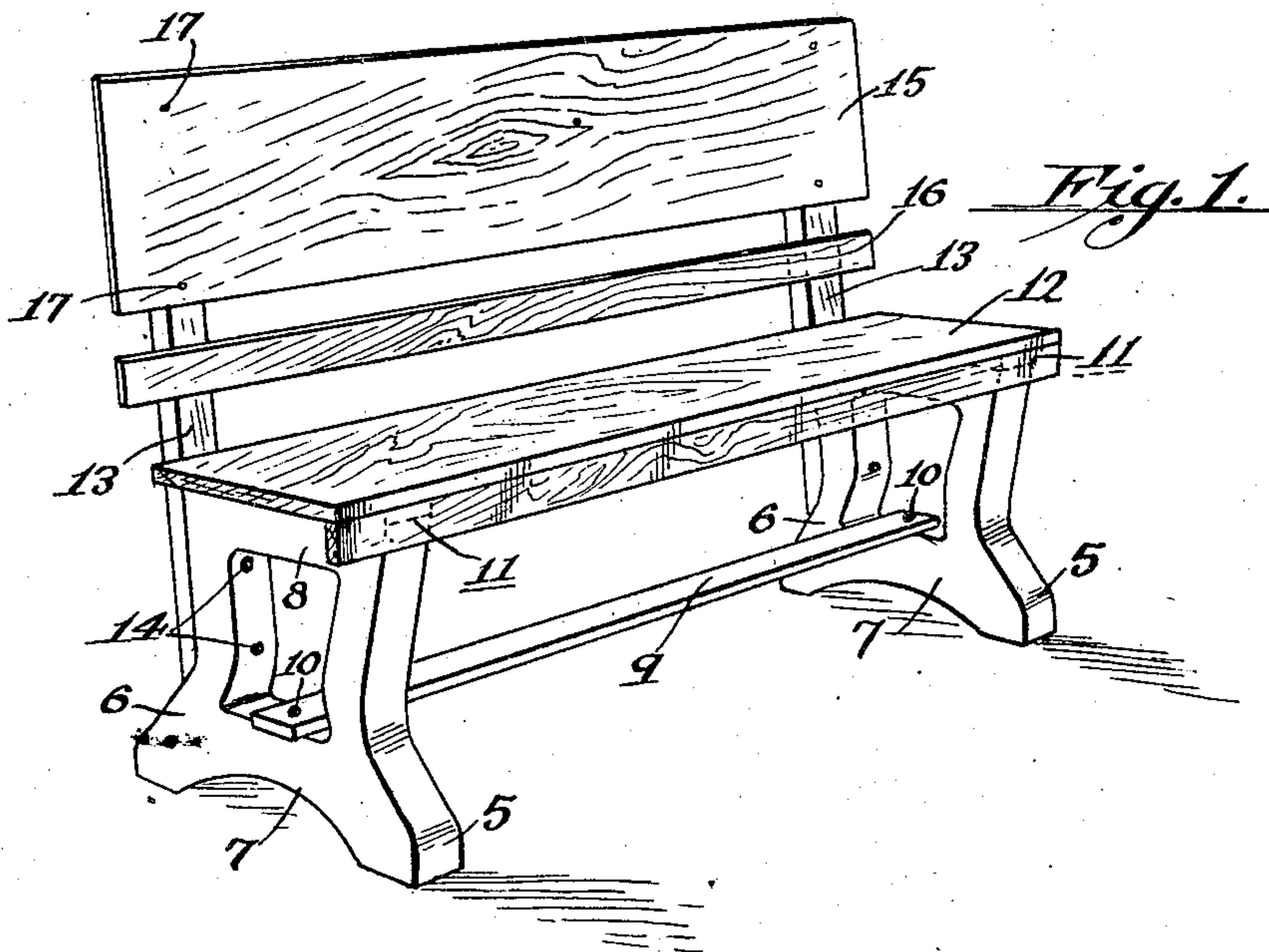
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COMBINATION CONCRETE AND WOODEN BENCH

Filed April 24, 1924



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UNITED STATES PATENT OFFICE.

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COMBINATION CONCRETE AND WOODEN BENCH.

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This invention relates to seats, and it has for one of its objects the provision of a seat which may be tipped over without breaking.

Another object of this invention is the provision of a comparatively stable seat.

A further object of this invention is the provision of a seat having concrete legs, including a back of tough material, such as wood, for example.

With the foregoing objects in view, together with such other objects and advantages as may subsequently appear, this invention consists in the construction and arrangement of parts hereinafter described and claimed and illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of a bench embodying my invention, and

Fig. 2 is a side elevation of Fig. 1.

Referring to the drawings for a more detailed description thereof, the numerals 5 indicate front legs and the numerals 6 indicate back legs. Each front leg 5 is formed integral with its corresponding back leg 6, being connected by a lower transverse member 7 and an upper transverse member 8. The front and back legs 5 and 6 together with the members 7 and 8 are comparatively massive for the purpose of giving stability to the seat and are made of comparatively heavy material, such as stony material, and preferably concrete. The front and back legs of the bench are curved or angular in form so as to present upper portions which are upwardly and outwardly inclined and lower portions which are downwardly and outwardly inclined. A transverse member 9 is secured at its ends to the members 7 by means of bolts 10 and acts as a brace for the legs. Cleats 11 are placed on the transverse members 8 and may be secured thereto by bolts 11^a. A seat 12, preferably of tough material, such as wood, for example, is placed on the cleats 11 and may be secured to the cleats in any suitable manner, if desired. Uprights 13, which are also of a tough material, such as wood, are secured to the back legs 6 by means of bolts 14, and back members 15 and 16 are secured to the uprights 13 by means of screws 17. The members 15 and 16 are also of a tough material, such, for example, as wood.

It will be appreciated that by forming the brace 9, the uprights 13 and the members 15 and 16 of a comparatively tough material, such as wood, the bench is not liable to be

broken, if it should be tipped over, and I thereby overcome the inherent defect of seats formed entirely of a stony material, such as concrete.

This invention has been described, but modifications thereof may be devised without departing from the spirit thereof, and it is to be understood that such modifications come within the scope of this invention.

What is claimed is:

1. A bench comprising two concrete members each forming front and back legs for the bench, which are connected by integral top and bottom members, a seat secured to said top members, the back legs presenting surfaces which are upwardly and backwardly inclined below the seat, straight uprights having their sides adjacent the lower ends bearing against said surfaces from the seat downwardly to substantially their lower ends and rigidly secured thereagainst, and back members secured to said uprights forming an upwardly and backwardly inclined back for the bench.

2. A bench comprising two concrete members, each providing front and back legs for the bench, a seat mounted upon said members, uprights having their forward faces bearing against the back surfaces of the back legs from the seat downwardly to the lower ends of the uprights and rigidly secured thereto, there being abutments on the back legs against which the lower ends of the uprights fit, said uprights being upwardly and backwardly inclined above the seat, and means secured to said uprights above the seat forming an upwardly and rearwardly inclined back for the bench.

3. A bench comprising two concrete members, each providing front and back legs for the bench, a seat mounted upon said members, the back legs having upwardly and rearwardly inclined back surfaces below the seat, uprights having their forward sides adjacent their lower ends bearing against said back surfaces for a considerable distance, bolts for securing said uprights to the back legs, said uprights being substantially straight and thus extending upwardly and backwardly above the seat, and means secured to the uprights forming an upwardly and rearwardly inclined back for the bench.

4. A bench comprising two concrete members, each providing front and back legs for the bench, a seat mounted upon said mem-

bers, the back legs of said members being angular in end elevation, the lower portions presenting back surfaces which are downwardly and backwardly inclined and the other portions presenting back surfaces which are upwardly and backwardly inclined, wooden uprights having their forward faces bearing against the back surfaces of the upper portions substantially the complete length of the upper portions and having their ends fitting against the back surfaces of the lower portions, means for rigidly securing the uprights to the back legs, the upper ends of the uprights extending above the seat, and means forming a back for the bench secured thereto.

5. A bench comprising two concrete members, each providing front and back legs for the bench which are connected together, a seat mounted upon said members, the front and back legs of each of said members being

angular in end elevation, the lower portions of the front and back legs presenting front and back surfaces respectively which are downwardly and outwardly inclined and the upper portions of the front and back legs presenting front and back surfaces respectively which are upwardly and outwardly inclined, wooden uprights having their forward faces bearing against the back surfaces of the upper portions of the back legs substantially their complete length below the seat and having their ends fitting against the back surfaces of the lower portions of the back legs, means for rigidly securing the uprights to the back legs, the upper ends of the uprights extending above the seat, and means forming a back for the bench secured thereto.

In testimony whereof I have signed my name to this specification.

LEO G. HAASE.