

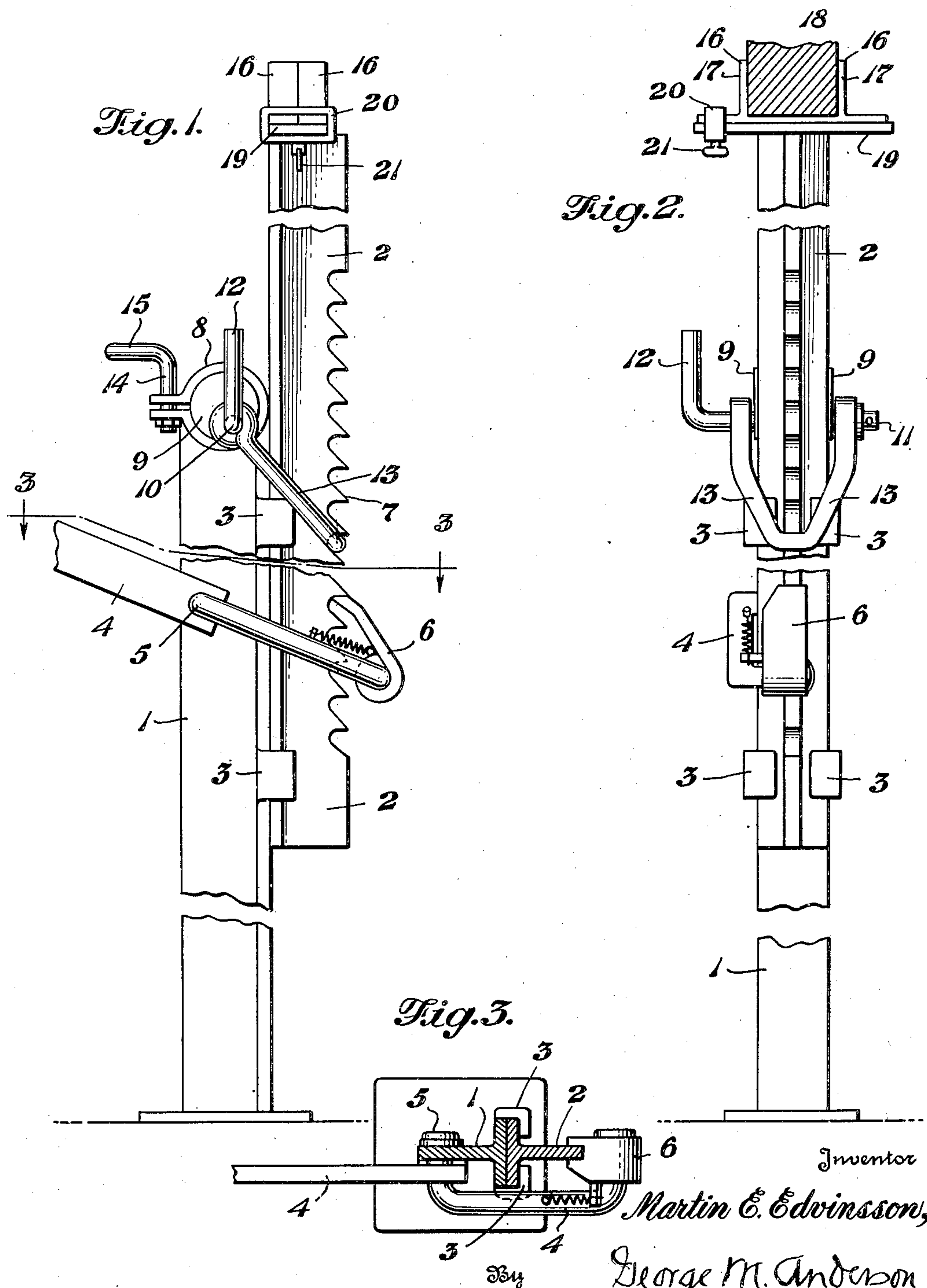
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SHORE

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SHORE

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2 Claims. (Cl. 248—354)

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The invention relates to shores for use in building construction such as concrete molds for arches and other work, an object of the invention being to provide improved means for this purpose comprising means for accomplishing both major and final micrometric adjustment thereof to vary the length of the shore. Other objects and advantages will appear hereinafter or will be obvious.

The invention consists in the novel construction and combinations of parts as hereinafter set forth in the claims.

In the accompanying drawings,

Figure 1 is a side view of the invention as applied.

Figure 2 is a front view of the same, and

Figure 3 is a section on the line 3—3, Figure 1.

In these drawings, the numeral 1 designates the base member of the shore, and 2 the adjustable member thereof, these members being each of T-form in cross section with the heads thereof opposed to each other, the head of the base member being provided with guides 3 for and engaging the head of the adjustable member.

For the purpose of accomplishing major lengthwise adjustment of the member 2 with respect to the base member, a lever 4 is fulcrumed within a notch seat 5 of the flange of the base member, said lever being provided with a spring-urged pawl 6 engaging the ratchet teeth 7 of the flange of the adjustable member.

For the purpose of accomplishing final micrometric adjustment of the member 2 with respect to the base member, an eccentric device is mounted upon the upper end of the base member, said eccentric device being provided with manipulable means for accomplishing such adjustment described as follows:

An annular strap 8 is fixed to the upper end of the base member 1, a cylindrical roller 9 being rotatably adjustable within said strap, said roller having an aperture 10 which is eccentric with respect to the center of said roller, manipulable means for accomplishing the rotatable adjustment of said roller within said strap comprising a horizontal arm 11 fixedly secured to said roller within said aperture, said arm having a handle end portion 12 at right angles thereto. A bail 13 depends from and has its spaced ends pivotally engaging the opposite ends of said arm 11 at opposite sides of the shore, the lower end of said

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bail engaging the ratchet teeth 7 of the flange of the adjustable member of the shore.

Thus rotative adjustment of said roller within said strap accomplishes eccentric adjustment of said horizontal arm 11 with respect to said roller and micrometric adjustment of said bail and of the adjustable member of the shore, to vary the length of the shore. In order to fix this micrometric adjustment a clamp bolt 14 has threaded engagement with the ends of said strap, said bolt having a handle arm 15.

In order to center the shore with respect to the overlying work, two angle irons 16 located side by side have each a vertical flange 17, the two flanges being spaced apart and engaging opposite sides of the support beam 18 of the mold for the arch or other work, an underlying plate 19 supporting both angle irons, loop clamp 20 engaging over the adjacent ends of both angle irons and said plate, said angle irons being laterally adjustable to adjust the flanges thereof for work of varying breadths, and said loop clamp having a set screw 21 to fix the adjustment.

I claim:

1. In a shore, a base member, a member adjustable lengthwise with respect to the base member to vary the length of the shore, and means mounted upon the base member and engaging the adjustable member to accomplish major lengthwise adjustment thereof and final micrometric lengthwise adjustment thereof comprising a cylindrical strap fast to the upper end of the base member, a cylindrical roller rotatable within said strap and having an eccentric aperture, a manipulable device having a horizontal arm fixed to said roller within said aperture and a bail depending from and one end of which is pivoted to said horizontal arm and the other end of which engages said adjustable member, said strap having manipulable means for closing the same upon said roller to fix the adjustment.

2. In a shore, a base member, a member adjustable with respect to the base member to vary the length of the shore, and means mounted upon the base member and engaging the adjustable member to accomplish major lengthwise adjustment thereof and final micrometric adjustment thereof comprising an eccentric device mounted upon the upper end of the base member having manipulable means for accomplishing the ec-

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centric adjustment thereof and for fixing the adjustment, the upper end of the adjustable member being provided with means for centering the shore with respect to the overlying work comprising two angle irons located side by side and having each a vertical flange, the two vertical flanges being spaced apart and adapted to engage opposite sides of the work, an underlying plate supporting both angle irons, and a loop clamp engaging over the adjacent ends of both angle irons and said plate, said angle irons being adjustable

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for work of varying breadths, and said loop clamp having a set screw to fix the adjustment.

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REFERENCES CITED

The following references are of record in the file of this patent:

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10	Number	Country	Date
	714,794	France	Sept. 14, 1931