

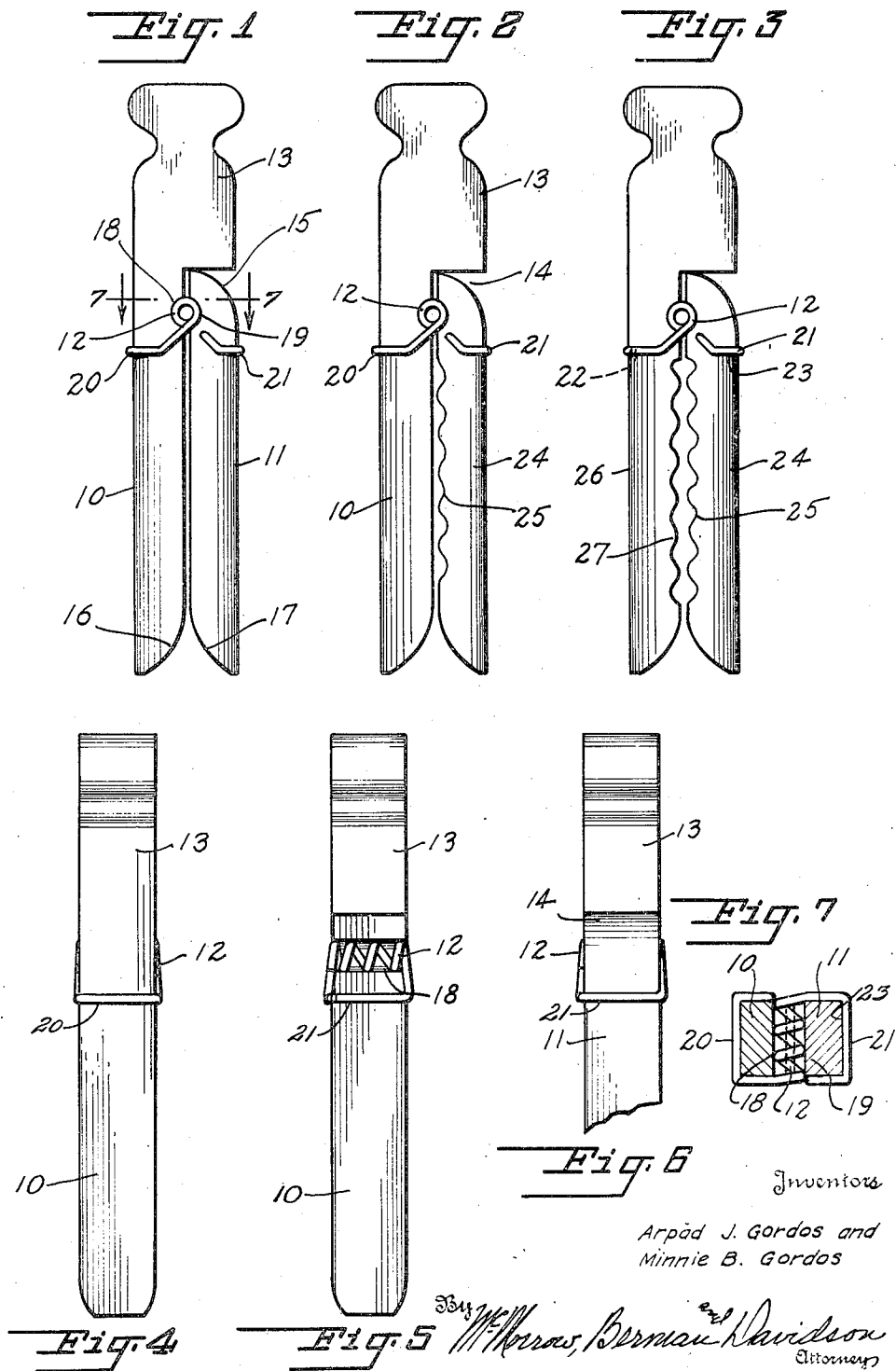
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CLOTHESPIN

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2,494,613

CLOTHESPIN

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1 Claim. (Cl. 24—137)

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This invention relates to clothes pins and particularly a clothes pin in which one of the jaws is separable and resiliently mounted on the body of the pin by a spring.

The purpose of the invention is to provide a clothes pin in which the jaws will not spread, or release the clothes except when external pressure is applied, and which may readily be applied by pressing downward over the clothes and line.

The clothes pin of this invention may be round, oval, hexagon, square, or of any suitable shape, and may be made of wood, metal, plastic, or any material.

The object of the invention is to provide a clothes pin that may readily be applied, that will remain in place, that may readily be removed, and that will not tear the clothes.

Another object is to provide a clothes pin that will not split.

A further object is to provide a clothes pin in which the gripping pressure on the clothes will increase as the thickness of the clothes is increased.

With these and other objects in view the invention embodies a clothes pin preferably having a head, and a stationary jaw integral with the head, a complementary movable jaw positioned in a recess in the pin, and a spring positioned in recesses in the inner surfaces of the jaws with the ends thereof wrapped around the outer surfaces of the jaws.

Various other and more detailed objects and advantages such as arise in connection with the manufacture, design, and operation of the clothes pin in accordance with the above noted objectives will in part become apparent, and in part be hereinafter stated, as the description of the invention proceeds.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

Figure 1 is a view showing a side elevation of the clothes pin with the jaws having plain inner gripping surfaces.

Figure 2 is a similar view showing the gripping surface of the movable jaw corrugated.

Figure 3 is also a similar view showing the gripping surfaces of both of the jaws corrugated.

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Figure 4 is an edge view of the clothes pin looking at the left-hand side of the pin as illustrated in Figures 1, 2 and 3.

Figure 5 is a similar view looking toward the opposite side, with the movable jaw omitted, showing the spring.

Figure 6 is a view looking toward the movable jaw side, with part broken away.

Figure 7 is a cross section on line 7—7 of Figure 1 showing the shape of the spring and the relative positions of the parts.

Referring now to the drawings wherein like reference characters denote corresponding parts the clothes pin of this invention includes a stationary jaw 10, a movable jaw 11, and a spring 12.

The clothes pin may be made with or without a head 13, as may be desired, and when a head is used the jaw 10 is formed integral therewith and a recess 14 is provided in the opposite side for the complementary or movable jaw 11 as shown and has a shoulder at the head end thereof. The movable jaw 11 is similar to the jaw 10 except that the upper end 15 is relieved or curved to clear the shoulder of the head end of the recess and facilitate opening thereof. The lower ends 16 and 17 of the jaws are curved inwardly to provide a receiving opening at the lower end of the pin.

The inner surfaces of the jaws are provided with substantially semi-circular recesses 18 and 19 in which the spring 12 is mounted.

The spring 12 is formed with a central coil which is positioned in the recesses 18 and 19, and the ends 20 and 21 extending from the coil wrap around the outer surfaces of the jaws as shown in Figure 7. The ends of the spring may be embedded in the surfaces of the jaws in recesses 22 and 23 as shown in Figure 3.

In the design shown in Figure 2 the clothes pin is provided with a jaw 24 similar to the jaw 11, except that the inner gripping surface is roughened with transverse ridges forming corrugations 25, to facilitate gripping, and in the design shown in Figure 3 the gripping surfaces of both jaws are roughened, the pin being formed with a jaw 26 similar to the jaw 10, and the inner gripping surface thereof is provided with corrugations 27.

It will be understood that other changes may

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be made in the design or construction without departing from the spirit of the invention.

The construction will be readily understood from the foregoing description. In use the clothes may be held over the line with one hand and the pin may be held by the upper end or head with the other hand and pressed downward over the clothes and line wherein the movable jaw will open sufficiently to pass over the clothes, and being resiliently held by the spring, will remain in place, frictionally gripping the clothes and line. When the clothes are dry the pins may readily be removed by a slight upward pull on their upper ends.

What is claimed is:

A clothes pin comprising an integral head and jaw member having a jaw-received recess in one side thereof, said recess having a shoulder at its head end, a separate jaw in said recess, a spring having a coil portion between said jaws adjacent said head, and a pair of legs extending one from each end of said coil portion and around respective jaws, said jaws having spring-coil-receiving recesses in the opposed faces thereof adjacent

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said head and said separate jaw having a rounded outer end portion adjacent said shoulder to permit opening and closing movements of said separate jaw relative to said integral jaw.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
160,661	Farrington et al.	Mar. 9, 1875
365,755	Moore	June 28, 1887
638,507	Graves	Dec. 5, 1899
1,088,553	Dostal	Feb. 24, 1914
1,132,170	Dewinsky	Mar. 16, 1915
1,487,083	Zimmermann	Mar. 18, 1924
1,499,046	Woop	June 24, 1924

FOREIGN PATENTS

Number	Country	Date
336,714	Germany	May 9, 1921