To all whom it may concern:

Be it known that Maurice M. Sellers, a citizen of the United States, residing at Lynn, in the county of Essex and State of Massachusetts, has invented certain new and useful Improvements in Adjustable Safety Haircutters, of which the following is a specification.

My invention relates to an adjustable safety hair cutting device and has for its objects:

1. To provide an improved adjustable hair cutting device for home or commercial use.

2. To provide an improved means of adjusting a hair cutting device that it may effect a close cut or otherwise at the will of the operator.

3. To provide an improved means of securely holding the cutting unit or blade in a hair cutting device.

4. To provide an improved means of securing the cutting unit of a hair cutting device to its body portion.

5. To provide an improved means for withdrawing or extending the guard portion of a hair cutting device.

6. To provide an improved run in which the guard portion of my device is intended to slide.

7. To provide an improved blade holding device that adequately protects the blade, and through integral means secures the same in position.

8. To provide an improved method of hinging the blade holding portions to a hair cutting device.

9. To provide a blade holding device having thereon means of protecting the inner edge of the cutting blade from contacting with the holding frame of a hair cutting device.

10. To provide an improved means of holding the cutting blades in their operating position.

11. To provide an improved adjusting jack for the operating of the guard portion of my device. And to secure other advantages, many of which will be hereinafter referred to in the description of the various parts.

Fig. 1 is a front view of my improved device showing its general appearance assembled ready for use.

Fig. 2 is a view showing a section through line 2—2 of Fig. 1 with one blade holding unit in position to receive a blade.

Fig. 3 is a longitudinal section showing my improved adjustable guard.

Fig. 4 is a view of the inner side of my improved blade carrying unit.

Fig. 5 is a view showing the inner side of my improved blade carrying unit modified to accommodate a single edge blade.

Fig. 6 is a view of the double edged cutting blade used in my device.

Fig. 7 is a view of a single edged cutting blade for use in the modified single blade holding unit shown in Figure 5.

Fig. 8 is a view of my improved blade holding unit locking pin.

Referring again to Fig. 1, A designates the handle of my improved device. B is the guard. C designates the blade holding unit. D shows a movable hinging pin with its inner end tapered at D' and its outer end knobbed at D''. E is a hinging lug or projection on the handle A, through which lug the pin D passes in forming a hinge with the lugged portion of the blade carrying unit C. F designates the blade holding unit tension spring, hinged at G on the handle unit A. H is a thumb nut turning on the threaded portion I, the operation of which furnishes regulating means of projecting or withdrawing the teeth on the guard unit B which moves to the desired positions of adjustment in the pocket Q. (See Fig. 3.)

Referring again to Fig. 2, J designates a two edge cutting blade as used on my device. K is a projecting lip upon the blade carrying unit C shaped to engage the edge of the orifice, in the blade J, next to the used cutting edge, (see also Fig. 6) so as to prevent contact of the unused cutting edge with the body portion of my device.

Referring again to Fig. 3, L designates a guiding pin on the handle unit A, operating in the slot M in the guard B, so as to furnish at all times a steadying force on the guard B as it is adjusted and held in the pocket Q.

Referring again to Fig. 4, N shows a hooked projection beneath which the blade J fits and is held. P designates a projec-
tion on the hinged leaf S, which extends through an aperture in the blade carrying unit C. Said projection P is shaped to engage the edge of the orifice, in the blade J, next to the unused cutting edge, and in conjunction with the projection K, operates to firmly hold the blade J in its cutting position on the unit C.

Referring again to Fig. 5, N' shows a lipped projection on my modified single edge blade holding unit. K designates a shoulder on the modified single edge blade holding unit C' against which should the back of the single edge blade rests and is held. P' shows a projection on the hinged portion S' which projection extends through the aperture in the unit C', and engages the edge of the reinforcement on the back of the blade and locks the single edge blade in its cutting position on the single edge blade holding unit C'. Similar letters refer to similar parts throughout the several drawings.

My novel and improved safety hair cutting device comprises the carrying handle A, which may be of any design consistent with its purpose, to which are hinged a series of blade holding units, tensioned in their operating position by means of the holding springs F. (Fig. 1). Intermediate the blade holding units the guard B, in the pocket Q, is regulated to any desired projection by turning the thumb nut H upon the threaded portion J, which turning in the slot R causes the guard to extend or recede at the will of the operator. (Fig. 3). The operation of the pin L in the slot M insures the guard moving uniformly straight, and avoids binding.

The portions C swing on their hinges by withstanding the pins D so as to eliminate the tensioning force upon the spring F, thus making possible the easy removal of the cutting blades.

It will be understood that while the appended claims are drawn in the singular they as well cover any number of the units described when used in series.

Having thus described my invention, I claim as new and desire to secure by Letters Patent of the United States.

1. In a device of the kind described, a handle formed with a pocket at one end, a guard member and means for positively adjusting it in and out of said pocket, and a blade-carrying unit pivotally mounted on said handle opposite said pocket.

2. In a device of the kind described, a handle, a guard, a pivotally mounted blade-carrying unit having a hooked projection at each end to engage the side edges of a blade, and a pair of parallel projections constructed to extend through and engage opposing walls of an aperture formed in the blade.

3. In a device of the kind described, a handle, a guard, a pivotally mounted blade-carrying unit thereon having hooks to engage the side edges of the blade, and a projection to engage in an aperture formed through the blade, and an auxiliary leaf also pivotally mounted and provided with a projection to also engage in said aperture in the blade, said blade-carrying unit and auxiliary leaf being pivoted on the same pintles.

4. In a device of the kind described, a handle, a guard, a pivotally mounted blade-carrying unit thereon having hooks to engage the side edges of a blade and a projection to engage in an aperture formed through the blade, and an auxiliary leaf also pivotally mounted and provided with a projection to also engage in said aperture in the blade, said blade-carrying unit and auxiliary leaf being pivoted on the same pintles.

5. In a device of the kind described, a handle, a guard, a pivotally mounted blade-carrying unit thereon having hooks to engage the side edges of a blade and a projection to engage in an aperture formed through the blade, and an auxiliary leaf also pivotally mounted and provided with a projection to also engage in said aperture in the blade, the projection on said auxiliary leaf passing through an aperture in said blade-carrying unit.

6. In a device of the kind described, a handle, a guard, a pivotally mounted blade-carrying unit thereon having hooks to engage the side edges of a blade and a projection to engage in an aperture formed through the blade, and an auxiliary leaf also pivotally mounted and provided with a projection to also engage in said aperture in the blade, and a tension spring hinged to the handle and adapted to press said blade-carrying unit and auxiliary leaf against said guard.

7. In a device of the kind described, a handle, a guard carried by the handle, pintle lugs on said handle, pintles mounted in said lugs, a blade-carrying unit mounted on the outer ends of said pintles, an auxiliary leaf mounted on the inner ends of said pintles, said blade-carrying unit and auxiliary leaf being provided with projections adapted to engage opposing edges formed on a cutting blade, and a tension spring pivoted to the handle at one side of the pintles and adapted to press the blade-carrying unit and auxiliary leaf inwardly towards the cutting blade, the inner ends of said pintles adapted to engage the outer side of said tension spring to lock the same in closed position.

8. In a device of the kind described, a handle formed with a pocket at one end and a through-slot above said pocket, a guard mounted in said pocket and provided with a threaded stem which passes through the back of the handle and the through-slot.
therein, a thumb-nut threaded on said stem and located in said through-slot, whereby the guard can be positively adjusted in and out of said pocket, a blade-carrying unit and an auxiliary leaf pivoted on the side of the handle, and a spring for pressing the several parts together.

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

MAURICE M. SELLERS.

Witnesses:
MARGARET A. COLLINS,
A. GERTRUDE JOHNSON.