

July 11, 1933.

R. E. HOOK

1,918,104

SHINGLE CUTTER

Filed April 4, 1932

2 Sheets-Sheet 1

Fig. 1.

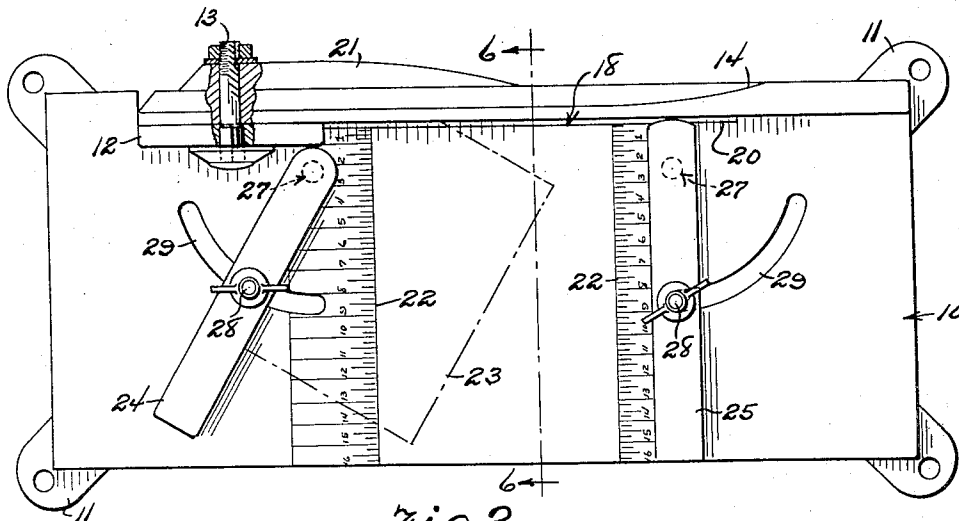


Fig. 2.

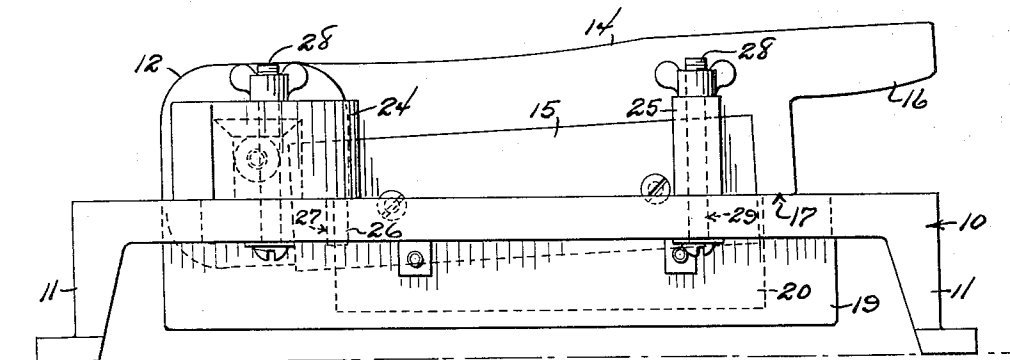
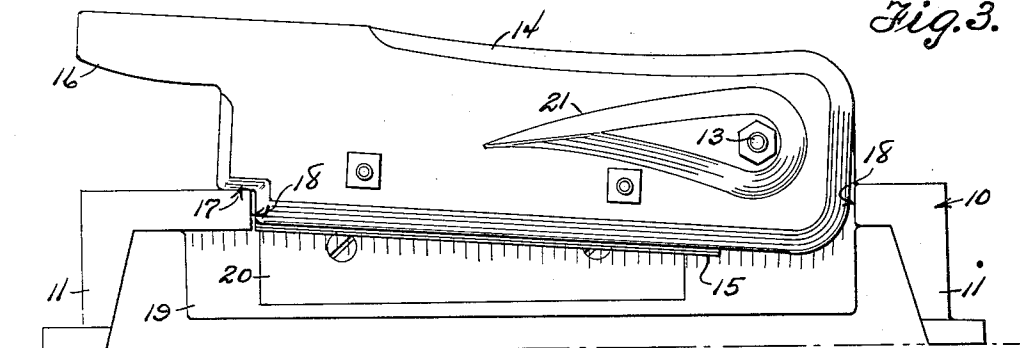


Fig. 3.



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Fig. 4.

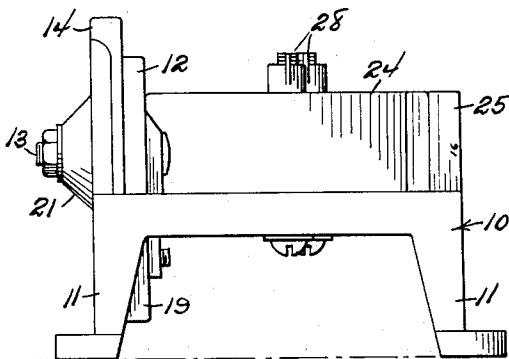


Fig. 5.

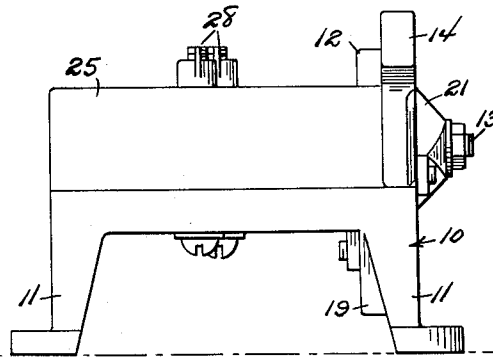


Fig. 6.

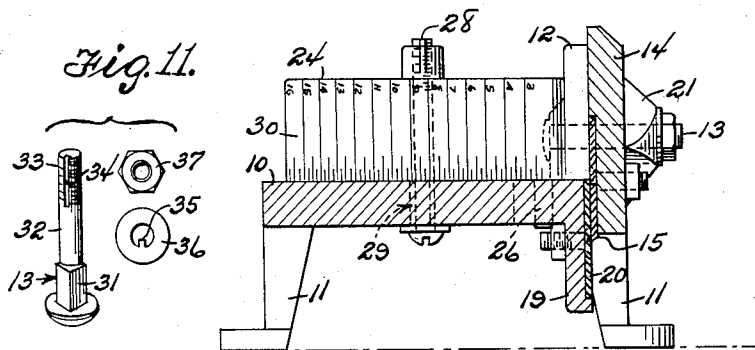


Fig. 11.

Fig. 7.

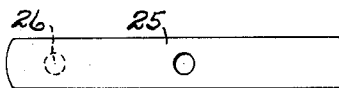


Fig. 9.

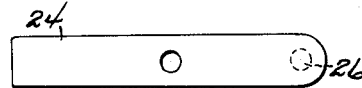


Fig. 8.

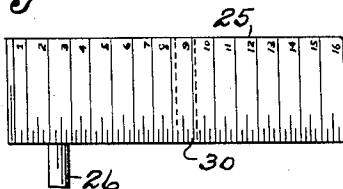
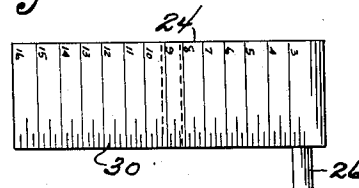


Fig. 10.



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SHINGLE CUTTER

Application filed April 4, 1932. Serial No. 603,189.

The invention relates to a hand cutter and more particularly to asphalt shingle cutters.

of Figure 1 looking in the direction of the arrows.

The primary object of the invention is the provision of a cutter of this character, wherein in shingle material of asphalt may be placed in position for the cutting thereof into determined sizes, the cutter being supplied with or carrying scale markings to enable the accurate determining of the size of the shingle to be cut, the cutter being of novel form and is hand operable.

Figure 7 is a plan view of one of the fences or guides.

Figure 8 is a side elevation thereof.

Another object of the invention is the provision of a cutter of this character, wherein the cutting blade is mounted in a novel manner so that the swing thereof to cutting position is limited and cooperation with the stationary blades upon the bed or table of the cutter is assured.

Figure 9 is a view similar to Figure 7 of the other fence or guide.

Figure 10 is a side elevation thereof.

A further object of the invention is the provision of a cutter of this character wherein fences or guides are adjustably arranged so as to enable the proper position of the shingle material for the cutting thereof either straight or at an angle according to the requirements of the work.

Figure 11 is a disassembled view of the pivot used in the device.

A still further object of the invention is the provision of a cutter of this character which is extremely simple in construction, readily and easily operated, thoroughly reliable and efficient in its purpose, strong, durable, and inexpensive to manufacture.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention, and pointed out in the claim hereunto appended.

In the accompanying drawings:—

Figure 1 is a top plan view of a cutter constructed in accordance with the invention, a portion thereof being broken away.

Figure 2 is a side elevation.

Figure 3 is a view similar to Figure 2 looking toward the opposite side of the cutter.

Figure 4 is an end elevation.

Figure 5 is a view similar to Figure 4 looking toward the opposite end of the cutter.

Figure 6 is a sectional view on the line 6—6

Referring to the drawings in detail, the cutter comprises a bed or table 10 having the corner legs 11 which elevate the work supporting upper face of the table or bed elevated with regard to a support or foundation. Formed at one side of the table or bed is an upstanding bearing or pivot ear 12 having fixed therein a pivot bolt 13 supporting a swinging knife lever 14 carrying a cutting blade 15 which is inset in this lever to have its outer face flush with the adjacent face of said lever. The lever at the end remote from its pivotal axis is formed with a handle 16 and also provided with a shoulder 17 forming a stop to coact with the bed or table 10 on the lowering of the lever to limit the downward movement thereof, the lever at its cutting edge being adapted to play within a clearance 18 provided in the edge of the bed or table next to said lever.

The bed or table 10 next to the clearance 18 is formed with a depending hanger 19 carrying a stationary blade 20, the latter being inset in said hanger to have the exposed faces of these flush with each other, these blades 15 and 20 cooperating with each other on manipulation of the lever 14 in the working of the cutter for the severing of asphalt shingles. The lever about its pivotal point is reinforced at 21 to give strength and rigidity thereto.

At right angles to the path of movement of the lever 14 and upon the upper face of the bed or table 10 are spaced parallel scales 22, these functioning for determining with accuracy the size of the shingle to be cut, the shingle being indicated by dotted lines

at 23 in Figure 1 of the drawings. Associated with the bed or table 10 are guides or fences 24 and 25 respectively, these having pintle lugs 26 for engaging in correspond-
 5 ingly shaped recesses 27 in the bed or table 10 so that the guides or fences can be swung angularly and carried by each guide is a clamping bolt 28, the same working within
 10 an arcuate slot 29 in the bed or table 10 and in this fashion the guide or fence can be secured in adjusted position upon the bed or table.

Each guide 24 and 25 has on its face confronting the work or shingle a scale 30 for measuring purposes.

15 In Figure 11, there is shown the pivot 13 which includes a headed bolt having next to its head a squared portion 31 formed about its shank 32, while the threaded end 33 of this shank is provided with a groove 34 for a nib
 20 35 on a washer 36 and working against this washer is the nut 37, the latter being adjustably engaged on the threaded end 33 of the shank, as will be apparent.

The operation of the cutter should be clear-
 25 ly obvious so that a detailed description thereof has been omitted for the sake of brevity.

What is claimed is:

A cutter of the character described comprising a table having at one side thereof an upstanding pivot ear, a swinging knife lever pivoted to said ear and having a cut-
 70 ting blade inset in said lever to have its outer face flush with the adjacent face of said lever, a handle formed on the end of the lever remote from its pivotal axis, said lever being
 75 provided with a shoulder forming a stop to coact with the table on the lowering of the lever to limit downward movement thereof, said table being provided with a clearance
 80 for the play of the cutting edge of the blade of said lever, spaced parallel scales indicia disposed at the upper face of the table and
 85 at right angles to the cutting blade, fences arranged on the table and each pivoted at its end next to the lever adjacent to a scale in-
 90 dicia, said table being formed with arcuate-shaped slots, and clamping bolts carried by the fences and working in said arcuate-shaped slots to secure the fences in adjusted position on the table.

In testimony whereof I affix my signature. 96
 REUBEN E. HOOK.

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