



US00D886565S

(12) **United States Design Patent**  
**Hinkens et al.**

(10) **Patent No.:** **US D886,565 S**  
(45) **Date of Patent:** **\*\* Jun. 9, 2020**

(54) **MULTI-TOOL** 6,804,869 B1 \* 10/2004 Tong ..... B25B 9/02  
29/426.1

(71) Applicant: **Wolf Tooth Components, LLC,** 7,346,986 B2 \* 3/2008 Feith ..... B26B 17/00  
Savage, MN (US) 30/258

(72) Inventors: **Jack W. Hinkens,** Eden Prairie, MN 7,587,963 B1 9/2009 Broadus  
(US); **Michael W. Pfeiffer,** Savage, MN  
(US) (Continued)

(73) Assignee: **Wolf Tooth Components, LLC,** TW M485775 9/2014  
Burnsville, MN (US) TW 201531384 8/2015  
(Continued)

FOREIGN PATENT DOCUMENTS

OTHER PUBLICATIONS

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/645,620**

(22) Filed: **Apr. 27, 2018**

BiB Creative Concept Store—Clever Tool (3 sets), retrieved Mar. 22, 2018, 2 pages, <<http://bibcreative.bigcartel.com/product/clever-tool-3-sets>>.

(Continued)

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 29/640,070, filed on Mar. 12, 2018.

(51) **LOC (12) Cl.** ..... **08-05**

(52) **U.S. Cl.** ..... **D8/105; D8/16**  
USPC ..... **D8/105; 55, 107, 99, 4, 16, 19, 14;**  
D12/127

(58) **Field of Classification Search**  
USPC ..... **D8/105, 55, 107, 99, 4, 16, 19, 14;**  
D12/127  
CPC .. **B25B 7/22; B25B 7/06; B25B 23/00; B25B**  
**33/00**  
See application file for complete search history.

*Primary Examiner* — Janice Hallmark  
(74) *Attorney, Agent, or Firm* — Dicke, Billig & Czaja, PLLC

**CLAIM**

(57) The ornamental design for a multi-tool, substantially as shown and described.

**DESCRIPTION**

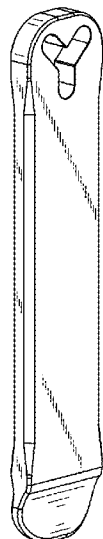
FIG. 1 is a left-front perspective view of the design for the multi-tool;  
FIG. 2 is a right-front perspective view thereof;  
FIG. 3 is a right-rear perspective view thereof;  
FIG. 4 is a left-rear perspective view thereof;  
FIG. 5 is a front view thereof;  
FIG. 6 is a rear view thereof;  
FIG. 7 is a left view thereof;  
FIG. 8 is a right view thereof;  
FIG. 9 is a top view thereof; and,  
FIG. 10 is a bottom view thereof.

**1 Claim, 10 Drawing Sheets**

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,336,652 A 6/1982 Robertson  
D288,893 S \* 3/1987 Epstein ..... D8/17  
5,193,336 A 3/1993 King  
5,255,438 A 10/1993 Morgan  
D358,536 S \* 5/1995 Gore ..... D8/16  
D416,178 S \* 11/1999 Moore ..... D8/16  
D442,451 S \* 5/2001 Berg ..... D8/52  
D445,655 S \* 7/2001 Maddox ..... D8/105



(56)

References Cited

U.S. PATENT DOCUMENTS

D613,138 S \* 4/2010 Salvino ..... D8/18  
 8,176,814 B1 5/2012 Bernstein et al.  
 D666,883 S \* 9/2012 Howard ..... F41A 35/00  
 D8/19  
 D689,351 S \* 9/2013 Webb, Jr. .... D8/17  
 D747,638 S \* 1/2016 Hernandez ..... D8/105  
 D768,460 S \* 10/2016 Adelman ..... D8/105  
 9,457,460 B2 10/2016 Hermansen et al.  
 D772,028 S \* 11/2016 Tangreen ..... D8/17  
 10,035,248 B2 7/2018 Ichikawa  
 D832,673 S \* 11/2018 Berman ..... D8/105  
 D837,619 S \* 1/2019 George ..... D8/14  
 D842,067 S \* 3/2019 Young ..... D8/105  
 D848,808 S \* 5/2019 Zhong ..... D8/55  
 D878,890 S \* 3/2020 Riehl ..... D8/105  
 2016/0082793 A1\* 3/2016 Davidson ..... B60C 27/003  
 81/15.8  
 2017/0157757 A1 6/2017 Winefordner et al.  
 2017/0348830 A1 12/2017 Lazenby et al.  
 2018/0093369 A1 4/2018 Ichikawa  
 2019/0061126 A1 2/2019 Park et al.  
 2019/0275651 A1\* 9/2019 Dittmer ..... B25G 1/08

FOREIGN PATENT DOCUMENTS

TW M505986 8/2015  
 TW 201634194 10/2016  
 TW M536595 2/2017

TW M545025 7/2017  
 TW M545057 7/2017  
 TW M546272 8/2017  
 TW M546273 8/2017  
 TW M549279 9/2017  
 TW M549280 9/2017  
 TW M554399 1/2018  
 TW M554400 1/2018

OTHER PUBLICATIONS

Bikerumor Clever Standard Makes Quick Work of Re-using Chain Quick Links, Nov. 28, 2016, 3 pages, <<https://www.bikerumor.com/2016/11/28/clever-standard-makes-quick-work-re-using-chain-quick-links/>>.  
 KMC MissingLink Lever, retrieved Mar. 22, 2018, 1 page, <<https://store.kmcchain.us/p/missinglink-lever>>.  
 Moosetreks 2 in 1 Bike Tire Levers + Master Link Chain Pliers, retrieved Mar. 22, 2018, 10 pages, <<https://www.amazon.com/Moosetreks-Levers-Premium-Engineering-Plastic/dp/B074QM8NK2>>.  
 Park Tool Master Link Pliers MLP-1.2, retrieved Mar. 22, 2018, 2 pages, <<https://www.parktool.com/product/master-link-pliers-mlp-1-2>>.  
 Sumnacon Bike Tire Levers + Master Link Chain Pliers—Sumnacon 3 in 1 Multifunction Bicycle Tire Repair Tool, retrieved Mar. 22, 2018, 11 pages, <[https://www.amazon.com/Bike-Levers-Master-Chain-Pliers/dp/B078HK9NPP/ref=sr\\_1\\_17?s=spo](https://www.amazon.com/Bike-Levers-Master-Chain-Pliers/dp/B078HK9NPP/ref=sr_1_17?s=spo)>.

\* cited by examiner



FIG. 1



FIG. 2



**FIG. 3**



FIG. 4

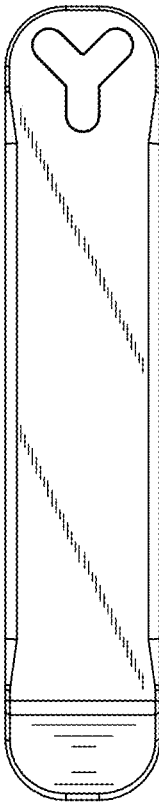


FIG. 5



FIG. 6



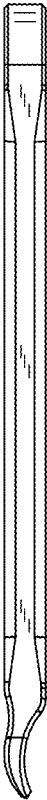


FIG. 7

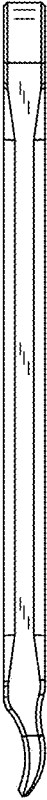
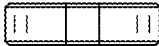


FIG. 8



**FIG. 9**



**FIG. 10**