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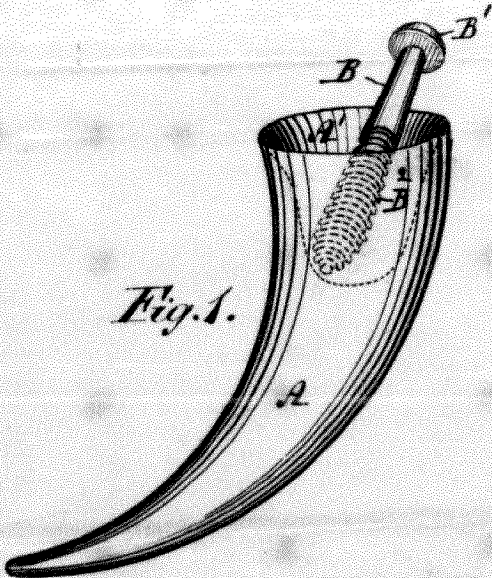


Fig. 1.

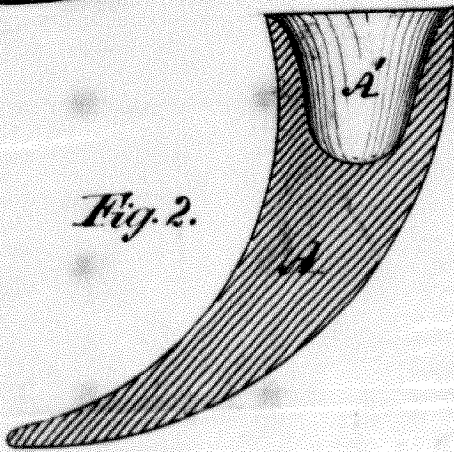


Fig. 2.

Certified to be the Drawings referred to in the Specification herewith annexed.

Witnesses:

John Grist  
W. Magee

Ottawa Ont.  
April 2<sup>nd</sup> 1889.

Samuel S. Arnold.

Inventor  
By Henry Grist  
Attorney.

THE LOWER PART OF THE RECEIVER BEING CURVED,  
FORMS A CONVENIENT HANDLE, AND BEING TAPERED WILL  
PREVENT IT SLIPPING THROUGH THE GRASPED HAND WHEN THE  
PRESSURE IS APPLIED TO THE CRUSHER WITH THE OTHER HAND  
TO GRIND THE COFFEE BERRIES IN THE CAVITY.

THE CLUB-SHAPED CRUSHER B, HAS A BUTTON-SHAPE HEAD B<sup>1</sup>,  
AT THE SMALL END, AGAINST WHICH BUTTON-HEAD THE PALM  
OF THE HAND IS PLACED, AND THE HAND MOVED IN A CIRCLE,  
TO CAUSE THE CRUSHER TO GRIND THE BERRIES. THE OTHER  
END OF THE CRUSHER IS SEMI-SPHERICAL, AND THE BODY  
HAS ANNULAR RINGS OR GROOVES B<sup>2</sup> TO CAUSE THE COFFEE  
BERRIES TO BE READILY AND EASILY CRACKED IN THE PROCESS OF  
CRUSHING OR GRINDING, AND THEREBY RENDER THE PROCESS QUICK  
OF OPERATION.

THE RECEIVER, PREFERABLY, IS THE HORN OF A  
BUFFALO OR OTHER SIMILAR HORN FINISHED AS SET FORTH,  
AND THE CLUB MAY BE OF METAL OR OTHER SUITABLE MATERIAL.

I CLAIM AS MY INVENTION.

86  
A COFFEE GRINDER, CONSISTING OF THE HALF CRESCENT-  
SHAPED TAPERING RECEIVER A, HAVING A CAVITY A<sup>1</sup>, AT THE  
LARGER END BEVELED OUTWARDLY AROUND THE EDGE, AND THE  
CLUB-SHAPED CRUSHER B, HAVING A BUTTON-SHAPE HEAD B<sup>1</sup>, AND  
ANNULAR RINGS OR GROOVES B<sup>2</sup>, AROUND THE BODY,  
SUBSTANTIALLY AS SET FORTH.

S P E C I F I C A T I O N .

TO ALL WHOM IT MAY CONCERN.

BE IT KNOWN, THAT I, SAMUEL S. ARNOLD, OF THE CITY OF TORONTO, IN THE PROVINCE OF ONTARIO, HAVE INVENTED CERTAIN NEW AND USEFUL IMPROVEMENTS IN COFFEE GRINDERS, AND I DO HEREBY DECLARE THAT THE FOLLOWING IS A FULL, CLEAR AND EXACT DESCRIPTION OF THE SAME, REFERENCE BEING HAD TO THE ACCOMPANYING DRAWINGS, IN WHICH, FIGURE 1, IS A PERSPECTIVE VIEW OF MY COFFEE GRINDER, AND FIGURE 2, IS A SECTION OF THE RECEIVER, SHOWING THE CAVITY INTO WHICH THE COFFEE BERRIES ARE PLACED.

S.S.A.

MY INVENTION HAS FOR ITS OBJECT TO PROVIDE A HANDY, CHEAP AND CONVENIENT DEVICE FOR GRINDING OR CRUSHING A SMALL QUANTITY OF ROASTED COFFEE BERRIES PREPARATORY TO INFUSION FOR MAKING A BEVERAGE.

MY INVENTION CONSISTS OF A HALF CRESCENT-SHAPED RECEIVER, TAPERING TO A POINT AT ONE END TO FORM A HANDLE, AND HAVING THE LARGER END HOLLOWED OUT TO FORM A CAVITY, THE EDGE OF SAID CAVITY BEVELED OUTWARDLY, AND A CLUB-SHAPED CRUSHER, HAVING ANNULAR RINGS OR GROOVES, TO GRIND THE COFFEE BERRIES WHEN PLACED IN THE CAVITY AND THE OUTER END OF THE CRUSHER SWUNG BY HAND IN A CIRCULAR MANNER.

A. IS A SEMI-CRESCENT-SHAPED RECEIVER, TAPERING TO A POINT AT ONE END AND HAVING A CAVITY A', AT THE LARGER END, THE EDGE OF SAID CAVITY BEVELLED OUTWARDLY TO ENLARGE THE SAME, AND TO ALLOW A CLUB-SHAPED CRUSHER B, TO HAVE GREATER SCOPE TO SWING AROUND IN THE CAVITY, WHEREBY A GRINDING EFFECT WILL BE PRODUCED ON THE COFFEE BERRIES. THE SAID CAVITY FOR ORDINARY REQUIRED SIZE WILL BE ABOUT TWO INCHES AND ONE-QUARTER, OR TWO INCHES AND ONE HALF IN DEPTH, AND ABOUT ONE INCH AND ONE-QUARTER OR ONE INCH AND ONE-HALF IN DIAMETER, AND THE RECEIVER ON THE LONGEST SIDE ABOUT SEVEN AND ONE-HALF INCHES.

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