



Name: _____ Date: _____

Post-Trip Lesson Plan Sugar Cane Mills

Instructions: Look at the Commercial Sugar Cane Mill in the picture below then compare this mill to the one you used at Cracker Country. Fill in the blanks on Cracker Country's Mill with the vocabulary listed on the commercial Sugar Cane Mill. Then answer the questions below.

Commercial Sugar Cane Mill:

<p>THE PIONEER CANE MILL.</p> <p style="text-align: center;">WITH NEW PATTERN FEED BOX,</p> <p style="font-size: small;">which has partitions sloping upwards to prevent over-crowding the lower part of the rolls, and save Juice by conveying it into the mill instead of allowing it to run down the drooping case.</p> <p style="font-size: x-small;">TOP GEARED, THREE ROLLS, PATENT BRIDGE, WROUGHT IRON SHAFTS, WITH FEED BOX, TURNED BEARINGS AND LATHE TURNED ROLLS.</p> <p style="font-size: x-small;">Look out for imitations with cast-iron shafts, bearings unturned, rolls with unturned and uneven faces, and no bridge or feed-box.</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>No.</th> <th>Main Roll</th> <th>Small Roll</th> <th>Estimated Capacity.</th> <th>Weight.</th> <th>Price.</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>6 x 10</td> <td>6 x 6</td> <td>2 to 8 acres.</td> <td>850 lbs.</td> <td>\$44 00</td> </tr> <tr> <td>1</td> <td>7 x 12</td> <td>7 x 8</td> <td>4 to 5 acres.</td> <td>550 lbs.</td> <td>65 00</td> </tr> <tr> <td>2</td> <td>8 x 16</td> <td>8 x 8</td> <td>5 to 8 acres.</td> <td>750 lbs.</td> <td>80 00</td> </tr> <tr> <td>8</td> <td>12 x 16</td> <td>12 x 8</td> <td>8 to 18 acres.</td> <td>1000 lbs.</td> <td>100 00</td> </tr> </tbody> </table> <p style="font-size: x-small; text-align: center;">Prices are for mills delivered in St. Louis. No back freight</p>	No.	Main Roll	Small Roll	Estimated Capacity.	Weight.	Price.	00	6 x 10	6 x 6	2 to 8 acres.	850 lbs.	\$44 00	1	7 x 12	7 x 8	4 to 5 acres.	550 lbs.	65 00	2	8 x 16	8 x 8	5 to 8 acres.	750 lbs.	80 00	8	12 x 16	12 x 8	8 to 18 acres.	1000 lbs.	100 00	<p>Lever: Used to turn the Gears which stir the Sugar Cane Syrup</p> <p>Gears: Aids in spinning and stirring the Sugar Cane Syrup</p> <p>Base: Provides support for the Sugar Cane Mill</p>
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July 15th, 1880.



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Cracker Country Sugar Cane Mill:



Sweep: A sweep is a long pole that is hooked up to a mule. The mule then turns the gears on the Sugar Cane Mill, similar to a lever.

Questions:

1. How are these two Mills similar?

2. How are both of these Mills Different?

3. Which mill do you think is faster and easier to use?

4. Why do you think Sugar Cane producers in Florida used Sugar Cane Mills such as the one found at Cracker Country, rather than the commercial Sugar Cane Mill?



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5. The Price of the smallest Commercial Mill (shown above) is around \$44.00. Do you think this price is expensive or cheap in 1898?

6. Draw a picture of your classmates and yourself making Sugar Cane:

Sources: 1880 General Catalogue of Cane Mills and Evaporators. St. Louis, Mo: Manny & Co., Manufacturers, July 15, 1880.