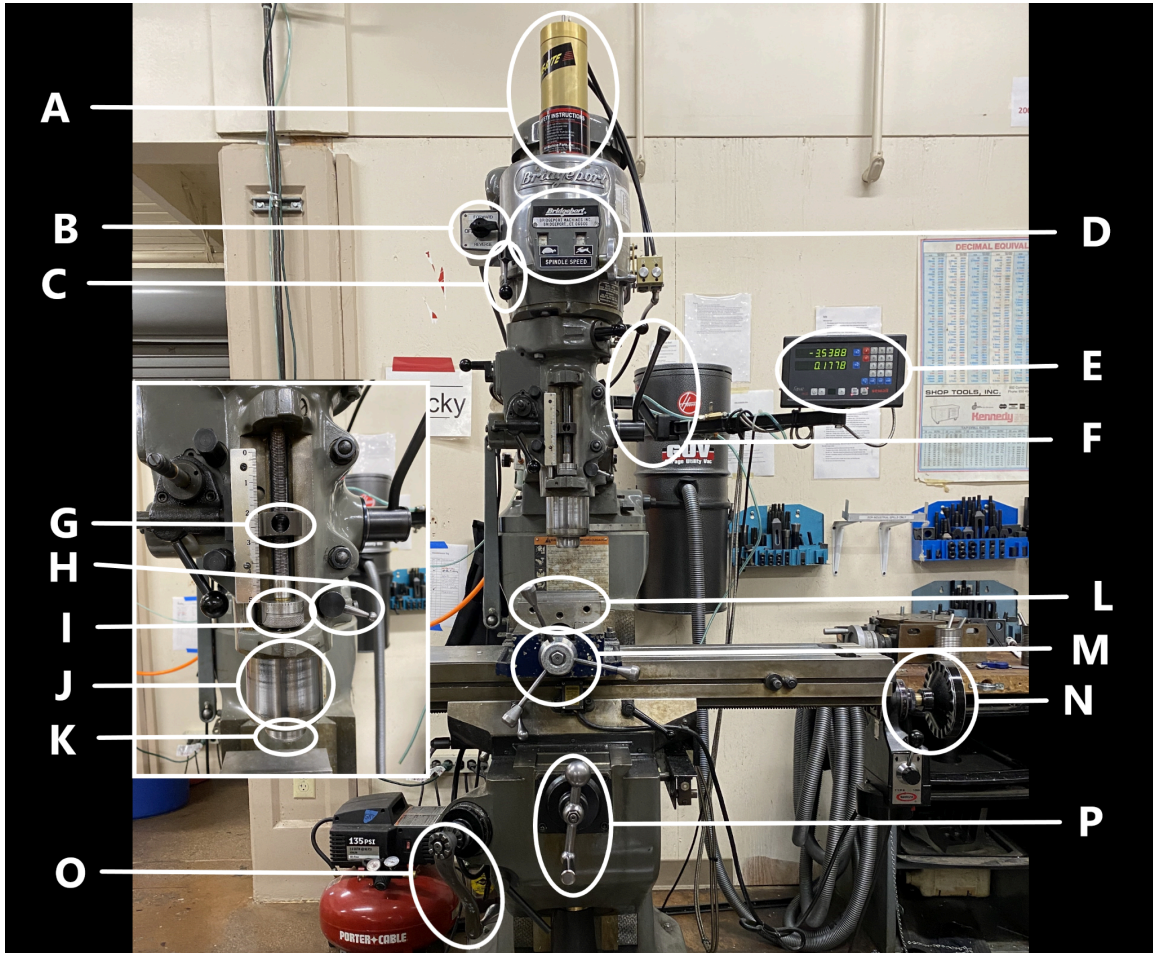


Who is this year's Mill Lead? \_\_\_\_\_

Identify the mill parts name and function using the diagram below:



- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_
- G. \_\_\_\_\_
- H. \_\_\_\_\_

- I. \_\_\_\_\_
- J. \_\_\_\_\_
- K. \_\_\_\_\_
- L. \_\_\_\_\_
- M. \_\_\_\_\_
- N. \_\_\_\_\_
- O. \_\_\_\_\_
- P. \_\_\_\_\_

**Describe the function of each tool below:**

Collet: \_\_\_\_\_

Parallels: \_\_\_\_\_

End Mill: \_\_\_\_\_

Edge Finder: \_\_\_\_\_

Drill Chuck: \_\_\_\_\_

Drill Bits: \_\_\_\_\_

Center Drill: \_\_\_\_\_

Tap Guide: \_\_\_\_\_

Tap Handle: \_\_\_\_\_

Tap: \_\_\_\_\_

**Describe the drill bit types and what each is used for:**

Regular: \_\_\_\_\_

Silver and Deming: \_\_\_\_\_

**Record the spindle speeds corresponding with each operation below:**

Facing: \_\_\_\_\_

Edge Finding: \_\_\_\_\_

Center Drilling: \_\_\_\_\_

Drilling: \_\_\_\_\_

**Describe the following procedures:**

Inserting tools into the mill:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Removing tools from the mill:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Stopping the mill:

1. \_\_\_\_\_
2. \_\_\_\_\_

Workholding:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Speed change (for Rocky):

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Clean up:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Describe the following operations:**

Facing:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

Edge Finding:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Drilling:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Tapping (Through Hole):

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Describe Climb and Conventional milling and what each is used for:**

Conventional: \_\_\_\_\_

Climb: \_\_\_\_\_

**Describe the process of facing stock to a specific length:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_