Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

STANLEY 12-137

STANLEY No.62 Low Angle Jack Hand Planer (Model 12-137) Instruction Manual

Model: 12-137 | Brand: STANLEY

1. Product Overview

The STANLEY No.62 Low Angle Jack Hand Planer (Model 12-137) is a precision woodworking tool designed for various planing tasks, including initial rough flattening and fine finishing. It features a durable construction with an A2 steel blade for excellent edge retention and comfortable cherry wood handles.



Image: The STANLEY No.62 Low Angle Jack Hand Planer, Model 12-137, shown in its original packaging, highlighting its classic design and heritage.

Key Features:

- **Blade Material:** Extra-thick 1/8-inch (3.18 mm) A2 steel for superior edge retention.
- **Handles:** Ergonomically designed cherry wood handle and knob for comfort and control.
- **Adjustment:** Norris-type adjustment mechanism for precise blade setting.
- **Throat Plate:** Adjustable throat plate to accommodate different types of wood and planing requirements.
- **Construction:** Durable ductile cast iron base.

2. Safety Information

Always prioritize safety when using hand tools. Read and understand all instructions before operation. Failure to follow safety guidelines may result in injury.

- Wear appropriate personal protective equipment (PPE), including safety glasses, to protect against flying debris.
- Ensure your workpiece is securely clamped or held to prevent movement during planing.
- Keep hands and fingers away from the blade during operation and adjustment.
- Store the planer with the blade retracted or protected when not in use.
- Keep the work area clean and well-lit.

3. Setup and Adjustment

3.1 Blade Installation and Initial Setup

1. **Unpack:** Carefully remove the planer from its packaging.
2. **Inspect:** Check all components for any signs of damage.
3. **Blade Insertion:** Loosen the lever cap and frog screws. Insert the blade (iron) with the bevel facing down, ensuring it is seated correctly on the frog.
4. **Secure Blade:** Tighten the lever cap to hold the blade firmly in place.



Image: A close-up view of the planer's blade and frog assembly, illustrating the components involved in blade installation and adjustment.

3.2 Blade Depth Adjustment

The STANLEY No.62 features a Norris-type adjuster for precise depth control.

- **Depth Knob:** Turn the depth adjustment knob to move the blade up or down. Turning clockwise typically extends the blade for a deeper cut, while counter-clockwise retracts it for a shallower cut.
- **Test Cut:** Make a test cut on a scrap piece of wood and adjust as needed until the desired shaving thickness is achieved.

3.3 Lateral Blade Adjustment

The lateral adjustment lever allows you to square the blade to the sole of the planer.

- **Lateral Lever:** Move the lateral adjustment lever left or right to align the blade edge parallel to the sole.
- **Visual Check:** Sight down the sole of the planer to ensure the blade protrudes evenly across its width.

3.4 Adjustable Throat Plate

The throat plate can be adjusted to control the size of the mouth opening, which affects chip clearance and tear-out prevention.

- **Loosen Screws:** Loosen the screws holding the throat plate.
- **Adjust Opening:** Slide the throat plate forward for a wider mouth (for heavier cuts or knotty wood) or backward for a narrower mouth (for finer cuts and reduced tear-out on figured grain).
- **Tighten Screws:** Securely tighten the throat plate screws after adjustment.

4. Operating Instructions

Proper technique ensures efficient and clean planing results.

4.1 Planing Technique

1. **Stance:** Stand comfortably with your weight balanced, ready to apply even pressure.
2. **Grip:** Hold the rear handle firmly with one hand and the front knob with the other.
3. **Starting the Cut:** Apply downward pressure on the front knob as you begin the stroke.
4. **Mid-Stroke:** Maintain even pressure across the planer as you move it along the workpiece.
5. **Finishing the Cut:** As you near the end of the stroke, shift pressure to the rear handle to prevent the planer from diving into the wood.
6. **Grain Direction:** Always plane with the grain to avoid tear-out. If tear-out occurs, try planing from the opposite direction or adjust the throat plate for a finer cut.

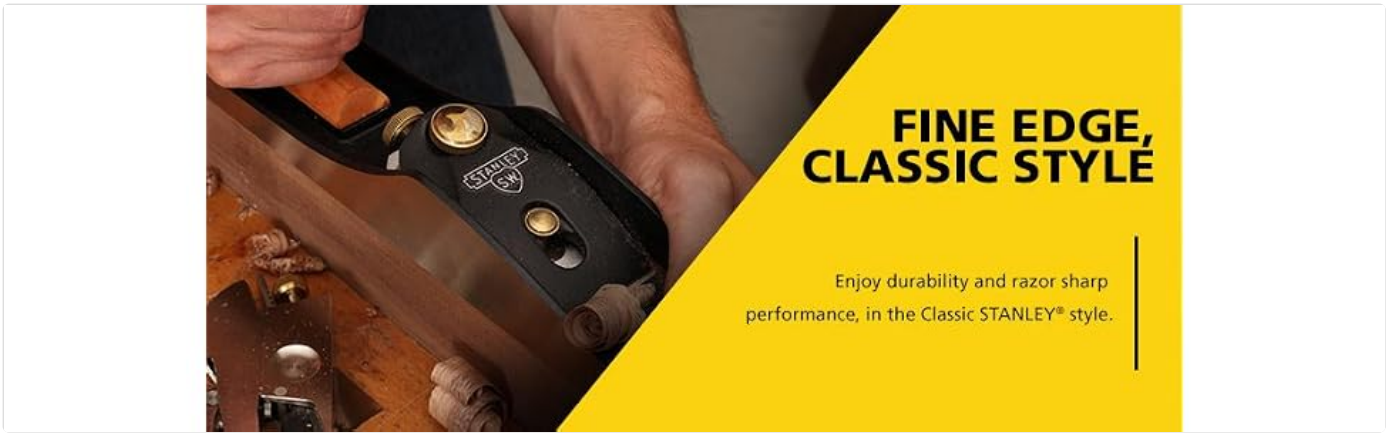


Image: A woodworker demonstrating the use of the STANLEY No.62 Hand Planer to smooth the surface of a wooden board, producing fine shavings.



Image: A detailed view of hands guiding the STANLEY No.62 Hand Planer, showing the proper grip and control during a planing stroke.

5. Maintenance

Regular maintenance will prolong the life and performance of your hand planer.

5.1 Cleaning

- After each use, clear all wood shavings and dust from the planer body and blade.
- Use a dry cloth or brush; avoid using water or solvents that could damage the wood or metal components.

5.2 Blade Sharpening

A sharp blade is crucial for effective planing. Sharpen the blade regularly using appropriate sharpening stones or systems. Maintain the original bevel angle.

5.3 Rust Prevention

- The cast iron sole and other metal parts are susceptible to rust. After cleaning, apply a thin coat of camellia oil, paste wax, or a rust-inhibiting lubricant to all exposed metal surfaces.
- Store the planer in a dry environment.

5.4 Handle Care

The cherry wood handle and knob can be periodically treated with wood oil or wax to maintain their finish and prevent drying or cracking.

6. Troubleshooting

Common issues and their solutions:

- **Chatter Marks:**
  - Ensure the blade is sharp.
  - Check that the lever cap is tightened securely.
  - Verify the frog is tightly secured to the body.
- **Tear-Out:**
  - Plane with the grain direction.
  - Narrow the mouth opening by adjusting the throat plate.
  - Take shallower cuts.
  - Ensure the blade is sharp.
- **Uneven Shavings:**
  - Adjust the lateral blade setting to ensure the blade is parallel to the sole.
  - Check for debris under the blade or frog.
- **Difficulty Pushing Planer:**
  - The blade might be set too deep; retract it slightly.
  - Ensure the sole is clean and free of sticky residue.
  - Apply a thin coat of paste wax to the sole for smoother gliding.

7. Specifications

Feature	Detail
Brand	STANLEY
Model Number	12-137
Item Type Name	STANLEY Hand Planer, No.62, Low Angle Jack
Material	Ductile cast iron (Base), A2 Steel (Iron), Cherry Wood (Handle/Knob)
Color	Silver
Product Dimensions (L x W x H)	15.8"L x 6.7"W x 3"H
Item Weight	6 pounds

Cutting Depth	0.13 inches (max)
Power Source	Manual
Included Components	STANLEY No 62 Sweetheart Low Angle Jack Plane (1) Plane
Replacement Blade	12-142

8. Warranty and Support

The STANLEY No.62 Low Angle Jack Hand Planer (Model 12-137) comes with a**1 Year Warranty** from the manufacturer.
For warranty claims, technical support, or replacement parts, please contact STANLEY customer service or visit the official STANLEY website. Keep your purchase receipt as proof of purchase.
For more information, visit theOfficial STANLEY Store on Amazon.

© 2023 STANLEY. All rights reserved. Information subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B002B56CUY

More documents and user manuals: **https://manuals.plus/**