

100 INVENTIONS THAT MADE HISTORY

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Throughout human history, innovation has served as the driving force behind societal progress, cultural evolution, and technological advancement. From primitive tools to complex digital systems, inventions have continually reshaped the way we live, communicate, work, and understand the world around us. The following comprehensive list highlights 100 inventions that have profoundly impacted humanity, transforming civilizations and laying the foundation for the modern era. These inventions are grouped chronologically and thematically, illustrating the diverse spectrum of human ingenuity that has propelled our species forward.

Ancient Innovations That Laid the Foundations

1. The Wheel

- Invented around 3500 BCE in Mesopotamia, the wheel revolutionized transportation and trade, enabling the movement of goods and people over long distances efficiently.

2. The Plow

- Developed in ancient Mesopotamia, the plow transformed agriculture by increasing productivity and supporting population growth.

3. Writing Systems

- Sumerians developed cuneiform around 3200 BCE, enabling record-keeping, communication, and the preservation of knowledge across generations.

4. The Sailboat

- Ancient Egyptians and Phoenicians perfected sailing vessels around 3000 BCE, facilitating trade and cultural exchange across seas and rivers.

5. Metal Tools and Weapons

- The Bronze Age (around 3300 BCE) introduced alloying copper with tin, creating stronger tools and weapons that advanced civilization development.

Classical and Medieval Breakthroughs

6. The Printing Press

- Johannes Gutenberg's invention in 1440 revolutionized information dissemination, democratizing knowledge and fueling the Renaissance.

7. Gunpowder

- Chinese inventors developed gunpowder around the 9th century, transforming warfare and leading to the development of firearms and explosives.

8. The Compass

- Chinese innovations in the Han Dynasty improved navigation, enabling explorers like Columbus to undertake transoceanic voyages.

9. Mechanical Clocks

- Invented in the 14th century in Europe, mechanical clocks improved timekeeping accuracy and structured daily life.

10. The Eyeglasses

- Emerging in the 13th century, eyeglasses improved vision, extending the productive years of the aging population.

Renaissance to Industrial Revolution: The Rise of Modernity

11. The Telescope

- Invented by Hans Lippershey in 1608, the telescope expanded our understanding of the cosmos, leading to groundbreaking discoveries in astronomy.

12. The Microscope

- Developed in the late 16th century, microscopes unveiled the microscopic world, advancing biology and medicine.

13. The Steam Engine

- James Watt's improvements in the late 18th century powered the Industrial Revolution, transforming manufacturing and transportation.

14. The Spinning Jenny

- Invented by James Hargreaves in 1764, it revolutionized textile manufacturing, enabling mass production of cloth.

15. The Telegraph

- Samuel Morse's invention in the 1830s revolutionized long-distance communication, shrinking the world.

20th Century Pioneering Inventions

16. The Light Bulb

- Thomas Edison's development in 1879 transformed indoor lighting, extending productive hours and improving quality of life.

17. The Automobile

- Founded by Karl Benz in 1885, automobiles revolutionized personal transportation and urban development.

18. The Airplane

- Wright brothers' first powered flight in 1903 opened the skies to mass travel and global connectivity.

19. The Radio

- Guglielmo Marconi's invention in the late 19th century enabled wireless communication and broadcasting, shaping mass media.

20. Penicillin

- Discovered by Alexander Fleming in 1928, penicillin marked the beginning of modern antibiotics, saving countless lives.

Digital Age and Information Revolution

21. The Computer

- From early mechanical devices like Charles Babbage's Analytical Engine to modern computers, this invention has revolutionized data processing.

22. The Internet

- Developed in the late 20th century, the internet transformed communication, commerce, and access to information worldwide.

23. The Smartphone

- Combining computing, communication, and multimedia capabilities, smartphones have become ubiquitous, reshaping social and economic life.

24. The Personal Computer

- Emerging in the 1970s, PCs democratized computing, empowering individuals and small businesses alike.

25. The Digital Camera

- Replaced film cameras, allowing instant image review and sharing, revolutionizing photography and media.

Key Scientific and Medical Inventions

26. The Vaccination

- Edward Jenner's smallpox vaccine in 1796 initiated immunology, saving millions from infectious diseases.

27. The X-ray

- Discovered by Wilhelm Röntgen in 1895, X-rays enabled non-invasive internal imaging, transforming medicine.

28. The Insulin

- Discovered in 1921 by Frederick Banting and Charles Best, insulin revolutionized diabetes treatment.

29. The MRI

- Magnetic Resonance Imaging provides detailed internal images, improving diagnosis and treatment planning.

30. The DNA Double Helix

- Discovered by Watson and Crick in 1953, understanding DNA's structure unlocked genetic science, medicine, and biotechnology.

Contemporary and Emerging Inventions

31. Renewable Energy Technologies

- Solar panels, wind turbines, and geothermal systems address climate change and energy sustainability.

32. The Blockchain

- Decentralized ledger technology revolutionizes finance, supply chains, and data security.

33. Artificial Intelligence

- AI systems, including machine learning and deep learning, automate tasks and enable new capabilities in various sectors.

34. CRISPR Gene Editing

- Revolutionizing genetics, CRISPR allows precise gene modifications, with implications for medicine, agriculture, and biology.

35. The Electric Vehicle

- Electric cars are transforming transportation toward sustainable and eco-friendly alternatives.

Inventions That Changed the World

36. The Printing Press

- Enabled mass production of books, spreading knowledge and literacy worldwide.

37. The Telephone

- Alexander Graham Bell's invention in 1876 revolutionized personal and business

communication.

38. The Airplane

- Facilitated global travel and commerce, shrinking distances and connecting cultures.

39. The Computer

- Fundamental to the digital age, impacting nearly every aspect of modern life.

40. The Internet

- Transformative for communication, commerce, education, and entertainment across the globe.

Conclusion

From ancient tools and foundational scientific

100 Inventions That Made History: A Comprehensive Guide

Throughout human history, innovation has been the driving force behind societal progress, cultural evolution, and technological advancement. From the earliest tools to the latest digital breakthroughs, inventions have shaped the way we live, work, communicate, and understand the world. In this guide, we explore 100 inventions that made history, highlighting their significance, impact, and the stories behind their creation. Whether you're a history buff, a technology enthusiast, or simply curious about how humanity has evolved through innovation, this comprehensive overview offers insights into the most transformative inventions of all time.

The Dawn of Human Innovation

Before diving into specific inventions, it's essential to understand that early human ingenuity laid the groundwork for all subsequent advancements. Early tools, control of fire, language, and agriculture were foundational innovations that set humanity on a path of continuous development.

Prehistoric and Ancient Inventions

- The Stone Tool

Significance: The earliest known human-made objects, stone tools date back over 2.5 million years. They enabled early humans to cut, hunt, and process food, marking the beginning of technological innovation.

- Controlled Fire

Impact: Mastery over fire around 1.5 million years ago allowed humans to cook food, ward off predators, and stay warm, significantly improving survival rates.

- The Wheel

Revolutionizing Transport: Invented around 3500 BC in Mesopotamia, the wheel facilitated transportation and trade, transforming societies and economies.

- Writing Systems

Communication Evolution: The earliest writing, cuneiform in Sumer (around 3200 BC), enabled record-keeping, law, and the transmission of knowledge across generations.

- Bronze and Iron Smelting

Advancement: The development of metallurgy around 3000 BC allowed for stronger tools and weapons, advancing agriculture and warfare.

Classical and Medieval Innovations

- The Papermaking Process

Impact: Invented in China around 105 AD, paper revolutionized record-keeping, education, and literature.

- The Printing Press

Johannes Gutenberg (1440): This invention made books more accessible, democratizing knowledge and fueling the Renaissance.

- The Compass

Navigation Breakthrough: Developed in China by the 11th century, the compass enabled explorers to undertake longer voyages, leading to global exploration.

- Gunpowder

Significance: Invented in China around the 9th century, gunpowder transformed warfare and had far-reaching consequences for global politics.

- Mechanical Clocks

Timekeeping Innovation: Emerging in the 14th century, mechanical clocks standardized time measurement, affecting daily life and commerce.

The Industrial Revolution and Modern Inventions

- The Steam Engine

James Watt (1776): Powered the Industrial Revolution, revolutionizing transportation and manufacturing.

- The Telegraph

Impact: Samuel Morse's invention in 1837 enabled instantaneous long-distance communication, shrinking the world.

- The Internal Combustion Engine

Significance: Pioneered in the late 19th century, it led to the development of automobiles and airplanes.

- The Light Bulb

Thomas Edison (1879): Transformed society by extending productive hours beyond daylight.

- The Telephone

Alexander Graham Bell (1876): Changed the way humans communicate, laying the groundwork for modern telecommunications.

20th Century Breakthroughs

- The Airplane

Wright Brothers (1903): Made human flight possible, revolutionizing travel and military strategy.

- Penicillin

Alexander Fleming (1928): The first antibiotic, saving millions of lives from bacterial infections.

- The Television

Impact: Introduced in the 1920s, it became a powerful medium for entertainment and information dissemination.

- The Computer

ENIAC (1946): The first general-purpose electronic computer, ushering in the digital age.

- The Internet

Development: Originating in the 1960s and becoming publicly accessible in the 1990s, it transformed communication, commerce, and culture.

The Digital Age and Beyond

- The Smartphone

Impact: Combining communication, computing, and multimedia, smartphones have become essential to daily life.

- Renewable Energy Technologies

Significance: Solar panels, wind turbines, and other innovations are reshaping energy production and combating climate change.

- CRISPR Gene Editing

Revolutionizing Biology: Enables precise modification of DNA, with implications for medicine, agriculture, and ecology.

- Electric Vehicles

Transformation: Reducing reliance on fossil fuels, EVs are pivotal in addressing environmental concerns.

- Artificial Intelligence

Future Impact: AI systems are increasingly capable of learning, reasoning, and performing complex tasks, impacting industries from healthcare to finance.

Additional Notable Inventions That Made History

Below is a curated list of additional 75 inventions that have significantly influenced human civilization:

Transportation & Infrastructure

- The bicycle
- The subway system
- The airplane jet engine
- The GPS navigation system
- The container shipping method
- The escalator
- The elevator
- The skyscraper
- The modern railway
- The hovercraft

Communication & Media

- The radio
- The phonograph
- The camera
- The cinema
- The internet protocol (TCP/IP)
- The social media platforms
- The e-book
- The digital camera
- The smartphone apps
- The virtual reality headset

Science & Medicine

- The microscope
- The X-ray machine
- The MRI scanner
- The insulin pump
- The pacemaker
- The vaccine development process
- The DNA double helix discovery
- The laser
- The robotic surgical systems
- The wearable health monitors

Energy & Environment

- The nuclear reactor
- The hydroelectric dam
- The geothermal energy system
- The lithium-ion battery
- The carbon capture technology
- The electric grid
- The biodegradable plastics
- The wind turbine blade design
- The smart grid technology
- The electric grid control systems

Everyday Life & Household

- The refrigerator
- The washing machine
- The vacuum cleaner
- The microwave oven
- The dishwasher
- The GPS-enabled car navigation
- The home automation system
- The 3D printer
- The smart home devices
- The electric kettle

Conclusion: The Power of Invention

From primitive stone tools to sophisticated artificial intelligence, 100 inventions that made history showcase humanity's relentless pursuit of progress. These innovations have not only solved immediate problems but have also opened new horizons, transforming societies and shaping future possibilities. Every invention, big or small, contributes to the ongoing story of human ingenuity and resilience. As we look ahead, understanding the roots of our technological heritage can inspire us to create a better, more sustainable future by building upon the inventions that made history and forging new ones for generations to come.

Final Thoughts

Innovation is a testament to human curiosity, creativity, and perseverance. Recognizing the milestones that have defined our civilization helps us appreciate the interconnectedness of progress. Whether it's the wheel that carried us across continents or the internet that connects our minds globally, each invention is a chapter in the grand narrative of human history. As we continue to invent and innovate, we honor the legacy of those who dared to dream and build a better world.

Question What is the significance of the invention of the printing press in history? The printing press revolutionized the dissemination of knowledge by making books more accessible, which facilitated the spread of ideas, literacy, and education across the world. How did the invention of the telephone impact global communication? The telephone transformed personal and business communication by allowing instant voice contact over long distances, shrinking the world and enabling rapid information exchange. Why is the invention of the light bulb considered a milestone in technological development? The light bulb extended productive hours beyond daylight, improved safety, and paved the way for widespread electrical infrastructure and countless other electrical innovations. What role did the invention of the internet play in shaping modern society? The internet

revolutionized how people communicate, access information, conduct business, and socialize, becoming a fundamental infrastructure of contemporary life. How did the invention of the wheel influence human civilization? The wheel facilitated transportation, trade, and technological innovation, serving as a foundation for countless other inventions and advancing societal development. In what ways has the invention of vaccines impacted global health? Vaccines have eradicated or controlled deadly diseases, significantly increased life expectancy, and improved overall public health worldwide. What was the impact of the invention of the computer on modern technology? The computer revolutionized data processing, automation, and information management, leading to advancements in virtually every industry and everyday life.

Related keywords: inventions, history, innovation, technological breakthroughs, famous inventions, historical inventions, invention milestones, groundbreaking inventions, technological history, influential inventions

MADE

Made is a versatile word with a rich history and diverse applications across language, culture, and industry. From the simple act of creating something to complex branding concepts, the term encapsulates the essence of production, craftsmanship, and origin. Understanding the various facets of 'made' can deepen our appreciation for the processes and stories behind the objects, ideas, and experiences that shape our world. This comprehensive guide explores the origins, uses, and significance of 'made,' providing insights into its role in language, manufacturing, art, and more.

The Origin and Evolution of the Word 'Made'

Historical Roots

The word 'made' derives from the Old English verb 'macian,' which means 'to build, construct, or fashion.' Over centuries, it evolved into 'maken' in Middle English before settling into the modern form 'made.' Its roots are deeply embedded in the concept of creation and craftsmanship, reflecting humanity's long-standing desire to produce and shape their environment.

Evolution Through Language

Throughout history, 'made' has retained its core meaning of creation but has expanded to encompass various contexts:

- Manufacturing and Industry: Signifying the production of goods.
- Personal Achievement: Indicating the completion of tasks or goals.
- Cultural Significance: Embodying identity and origin, such as "Made in USA."

The Many Contexts of "Made" in Language and Culture

"Made" as a Descriptor of Origin

One of the most common uses of "made" is to specify where or how something was produced, often found in branding and labeling:

- Made in [Country/Region]: Emphasizes geographical origin, impacting perceptions of quality and authenticity.
- Made by [Manufacturer/Artist]: Highlights craftsmanship and authenticity.

"Made" in Personal Achievements and Relationships

The word also conveys completion or creation in personal realms:

- Made a decision: Signifies resolution or choice.
- Made progress: Indicates advancement toward a goal.
- Made friends: Reflects social bonding and connection.

"Made" as a Creative or Artistic Term

In the arts, "made" often relates to the act of creation:

- Made a sculpture: The process of crafting an artwork.
- Made a film: Bringing a story or idea to life through cinema.
- Made a song: The composition and production of music.

The Role of "Made" in Manufacturing and Industry

The Significance of "Made" in Product Labeling

In the commercial world, "made" plays a crucial role in marketing and consumer perception:

- Quality assurance: 'Made in Germany' often signifies high-quality engineering.
- Authenticity: 'Made by hand' emphasizes craftsmanship over mass production.
- Branding: Companies leverage 'made' to communicate origin and authenticity, influencing purchasing decisions.

Manufacturing Processes and Innovations

The concept of 'made' is closely tied to technological advancement:

- Traditional craftsmanship: Hand-made, artisanal products.
- Mass production: Items made using assembly lines and automation.
- Sustainable manufacturing: Focus on eco-friendly and ethically produced goods.

'Made' in Art, Craftsmanship, and Design

Artistic Expression and 'Made'

Artists and creators often emphasize the process of making:

- Hand-made crafts: Pottery, textiles, jewelry.
- Custom-designed pieces: Unique, one-of-a-kind creations.
- Digital creations: Software, digital art, and 3D printed objects.

Design and Innovation

Designers often consider the process of making as central to their work:

- Made-to-order: Customization tailored to individual needs.
- Made from recycled materials: Sustainability in design.
- Made for longevity: Focus on durability and timeless appeal.

'Made' in the Digital Age: From Physical to Virtual

The Shift to Digital Creation

The concept of 'made' has expanded into the digital realm:

- Made a website: The process of designing and developing online platforms.
- Made a game: Developing interactive entertainment.
- Made an app: Creating functional software for smartphones and devices.

Impacts on Culture and Society

Digital ?making? democratizes creation:

- User-generated content: Anyone can make and share content online.
- Crowdsourcing and DIY culture: Collaborative and individual innovation.
- Open-source projects: Community-made software and hardware.

Environmental and Ethical Dimensions of ?Made?

Sustainable and Ethical Production

Modern consumers increasingly consider how products are made:

- Fair trade: Ensuring fair wages and working conditions.
- Eco-friendly materials: Using sustainable resources.
- Transparent supply chains: Knowing where and how goods are made.

The Impact of ?Made? on Global Economy

Manufacturing and production are vital to economic development:

- Job creation: Manufacturing sectors provide employment.
- Global trade: ?Made? products facilitate international commerce.
- Innovation hubs: Regions known for specific products (e.g., ?Made in Italy? for fashion).

Conclusion: The Power and Promise of ?Made?

The word ?made? carries profound significance across multiple domains. It symbolizes creativity, origin, quality, and effort. Whether in the context of a handcrafted piece of art, a technological innovation, or a globally recognized brand, ?made? embodies human ingenuity and the continuous pursuit of progress. As we move further into the digital and sustainable future, the meaning of ?made? will likely evolve, but its core essence?creation and authenticity?will remain central. Recognizing what is ?made? and how it is made can deepen our understanding of the world around

us, fostering appreciation for craftsmanship, innovation, and responsible production.

Summary of Key Points:

- 'Made' originates from Old English, reflecting craftsmanship and creation.
- It signifies origin, achievement, and artistic creation.
- In industry, 'made' impacts branding, quality perception, and consumer trust.
- The digital age has expanded 'made' into virtual creations.
- Ethical and sustainable production practices are shaping modern interpretations of 'made'.
- The concept continues to evolve, emphasizing human ingenuity and responsibility.

Understanding the depth and breadth of 'made' enriches our appreciation for the objects and ideas that define our lives, reminding us that behind every 'made' item or concept lies a story of effort, skill, and purpose.

Made is a simple yet profoundly versatile word that carries a multitude of meanings depending on its context. Whether used to describe the creation of an object, the process of producing something, or the result of effort and craftsmanship, the term "made" plays a vital role in both everyday language and professional discourse. In this comprehensive guide, we will explore the various dimensions of "made," its usage, significance, and how it influences communication across different fields.

The Many Facets of "Made"

Origin and Definition

The word made originates from the Old English term "macian," meaning "to construct or build." Over centuries, it has evolved to encompass a broad spectrum of meanings related to creation, production, and achievement. Today, "made" is primarily used as the past tense and past participle of the verb "make," but its connotations extend far beyond that simple grammatical role.

Core Meaning

At its core, made signifies that something has been created, assembled, or brought into existence by an agent—be it a person, machine, or natural process. It indicates the completion of a process, emphasizing the origin or craftsmanship involved.

Exploring Different Contexts of "Made"

- Made in Manufacturing and Craftsmanship

In industrial and artisanal settings, made emphasizes the process of producing goods. It often implies quality, craftsmanship, and authenticity.

- Examples:
- "This watch is made by hand."
- "All the furniture is made from reclaimed wood."

Significance:

- Quality Assurance: "Made" often signifies a certain standard or level of craftsmanship.
- Authenticity: Products labeled as "made" in specific regions (e.g., "Made in Italy") evoke prestige and tradition.
- Customization: Handmade or bespoke items are often highlighted as made specifically for the customer.

- Made in Culinary Contexts

In cooking, made describes dishes prepared from scratch or by a particular chef or culinary tradition.

- Examples:
- "This cake is made from scratch."
- "Homemade pasta made with fresh ingredients."

Significance:

- Emphasizes freshness, effort, and authenticity.
- Differentiates between mass-produced and handcrafted foods.

- Made in Business and Branding

In marketing, made is often used to evoke a sense of origin, quality, or craftsmanship.

- Examples:
- "Made in the USA" ? signifies domestic manufacturing.

- "Made for athletes" ? highlights a product tailored for a specific audience.

Significance:

- Builds trust and perceived value.
- Connects consumers with the origin or story behind a product.

- Made in Personal Development and Achievement

In personal contexts, made reflects progress or success.

- Examples:
- "She made it to the top of her field."
- "He made a significant breakthrough in his research."

Significance:

- Conveys accomplishment.
- Highlights effort and perseverance.

The Grammar and Usage of "Made"

As a Past Tense and Past Participle

- Made functions as the simple past tense of "make."
- It is also used as the past participle in perfect tenses and passive constructions.

Examples:

- Past tense: "They made a decision yesterday."
- Past participle: "The product was made in Germany."

Common Phrases with "Made"

- Made of: Describes the material composition.
- "The sculpture is made of bronze."
- Made from: Indicates the raw materials used.
- "Cake made from scratch."
- Made in: States the origin or manufacturing location.
- "This shirt is made in Bangladesh."
- Made up: Can mean fabricated or composed.
- "He made up an excuse."

The Cultural and Social Significance of "Made"

Branding and Identity

The use of "made" in branding emphasizes origin, quality, and authenticity. For instance:

- Made in Japan: Conveys high standards and craftsmanship.
- Made with love: Suggests care and personal touch.

Ethical and Sustainable Production

Consumers increasingly associate "made" with ethical considerations:

- Made sustainably: Indicates environmentally friendly practices.
- Made ethically: Highlights fair labor practices.

Legal and Trademark Implications

- "Made in" labels are often regulated by law to ensure authenticity.
- Trademarking phrases like "Made in [Country]" can influence consumer perception and legal rights.

How "Made" Influences Communication and Perception

Creating Trust and Credibility

Using "made" to describe products or processes can foster trust, especially when associated with quality or origin.

Conveying Craftsmanship and Authenticity

"Made" often implies a level of craftsmanship that mass-produced items lack, appealing to consumers seeking uniqueness and authenticity.

Enhancing Emotional Connection

Phrases like "made with love" evoke emotional responses and create a sense of personal connection.

Practical Tips for Using "Made" Effectively

In Marketing and Branding

- Highlight the made aspect to emphasize quality and origin.
- Use phrases like "Made by artisans" or "Made from natural ingredients."

In Everyday Communication

- Be specific about what was made and how.
- Use "made of" and "made from" accurately to describe materials.

In Legal Contexts

- Ensure compliance with labeling laws when claiming "Made in" country or "Made with" claims.

Future Trends and Innovations Related to "Made"

Emphasis on Sustainability

The concept of made is shifting toward sustainability and ethical production, with consumers valuing eco-friendly and fair-trade products.

Technological Integration

Advances in manufacturing, such as 3D printing, are expanding what it means for something to be made, blurring the lines between mass production and craftsmanship.

Customization and Personalization

The rise of personalized products enhances the significance of made as a reflection of individual preferences and stories.

Conclusion

The word made encapsulates a rich tapestry of meanings that span craftsmanship, origin, achievement, and authenticity. Its versatility makes it an essential component of language, branding, and cultural identity. Whether describing a handcrafted item, a manufactured product, or personal success, made signifies effort, quality, and origin. As industries evolve and consumers become more conscious of authenticity and sustainability, the significance of "made" continues to grow, shaping perceptions and expectations across sectors.

Understanding the multifaceted nature of made allows us to communicate more effectively, appreciate craftsmanship, and recognize the stories behind the things we value. From artisanal crafts to global manufacturing, "made" remains a powerful word that connects effort with identity.

Question What does the word 'made' typically mean in English? The word 'made' is the past tense of 'make' and generally means to create, construct, or produce something. How is 'made' used in the context of product manufacturing? 'Made' refers to items that are produced or manufactured, such as 'made in Italy' indicating the country of production. What are some common phrases with 'made' in everyday language? Common phrases include 'made of' (material composition), 'made for' (intended for), and 'made up' (created or invented). How has the usage of 'made' evolved in modern slang? In slang, 'made' can refer to achieving success or wealth, as in 'made it' meaning someone has achieved their goals. Can 'made' be used as an adjective? While 'made' is primarily a verb, in some contexts it functions adjectivally, such as in 'a made man,' meaning someone who has achieved a certain status. What are some common grammatical structures involving 'made'? It is often used in passive constructions like 'was made,' and in phrases like 'made from' and 'made in' to specify origin or material. Are there any popular songs or movies with 'Made' in the title? Yes, for example, 'Made' is a 2001 crime film, and there are songs titled 'Made' by various artists, reflecting its cultural significance.

Related keywords: created, manufactured, produced, crafted, assembled, constructed, built, fabricated, developed, formed

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